1. SCOPE:

1.1 Title: Cleaning and Painting Requirements; accomplish

2. REFERENCES:

a. ***NAVSHIPREPFAC Yokosuka Local Standard Items***

b. S9086-VD-STM-010/020/030/CH-631, Volumes 1, 2 and 3, Preservation of Ships in Service

c. S9086-VG-STM-000/CH-634, Deck Coverings

d. ***ASTM F718, Shipbuilders and Marine Paints and Coatings Product/Procedure Data Sheet***

e. Occupational Safety and Health Administration (OSHA), 29 CFR 1915 Subparts C and Z

f. Systems and Specifications, Steel Structures Painting Manual Volume 2

g. ASTM D4417, Standard Test Methods for Field Measurement of Surface Profile of Blast Cleaned Steel

h. S9086-CN-STM-020/CH-79 Volume 2, Damage Control - Practical Damage Control

i. S9086-RK-STM-010/CH-505, Piping Systems

3. REQUIREMENTS:

3.1 Submit one legible copy of a time schedule prior to the start of preservation operations for the following coating systems (including stripe coating where applicable):

TABLE	LINE
One	All
2	All except 10
3	***15, 16, 20 and 21***
4 through 8	All
9	One through 4
10	4, 11 ***through 13, 16, and 17***
11	All
12	All
15	All
16	All
17	One

3.1.1 Accomplish the requirements of 099-09YO of 2.a for coating systems applications to areas listed in 3.4.

3.2 Provide a written notice to NAVSHIPREPFAC and the ship's Commanding Officer's representative of potential exposure of personnel to toxic or hazardous substances.

3.2.1 Post the notice at the ship's Quarterdeck or other designated location for each job or separate area at least four hours, but not more than 24 hours, prior to the start of work. The notice shall contain the following information:

3.2.1.1 Ship’s name and hull number.

3.2.1.2 Job Order number.

3.2.1.3 Compartment or frame number.

3.2.1.4 Identification of hazard.

3.2.1.5 Date and time of work process.

3.2.1.6 Identification of engineering and work practice controls.

3.2.2 Notify the ship's Commanding Officer's representative of work planned over a weekend or Monday following that weekend not later than 0900 on the Friday immediately preceding that weekend.

3.2.3 Notify the ship's Commanding Officer's representative of work planned on a U.S. federal holiday and on the day following the federal holiday not later than 0900 on the working day preceding the federal holiday.

3.3 Submit material certification of abrasive blast media conforming to MIL-***A***-22262 prior to blasting. The abrasive blast medium must be listed on the Qualified Products List (QPL) QPL 22262, or have written notification from NAVSEA ***03Q*** that it meets the requirements of MIL-***A***-22262.

3.4 Record and maintain records in accordance with Section 11 of 2.b and Paragraph 634-3.35 of 2.***c***, containing the required information on preservation of freeboard, and hangar, flight, catapult, and vertical replenishment decks, chain lockers, underwater hull surfaces of the ship, and interior surfaces of ***intake vent plenums, uptake spaces,*** tanks, voids, cofferdams, well deck overheads, and bilges, and including the following:

3.4.1 Surface preparation method, including name of abrasive and QPL 22262 revision number from which the product was purchased, or copy of NAVSEA 03R42 product approval letter, ***and surface profile readings***.

3.4.2 Ambient and metal surface temperatures, relative humidity, and dew point at a minimum of four-hour intervals during painting process. Information for environment shall be recorded from conditions on-site, in close proximity to the structure.

3.4.3 Name of paint/non-skid, manufacturer, batch number, and date of manufacture and expiration.

3.4.4 Material product data sheets ***and 2.d*** for each proprietary coating used.

3.4.5 Surface conductivity or chloride measurements.

3.4.6 Elapsed time between coats.

3.4.7 Dry film thickness (DFT) for the total system.

3.4.8 Name and type of spray equipment utilized.

3.4.9 Record temperature of paint storage 24 hours in advance of using paint. Temperature shall be maintained within the limits specified in 2.b and shall be recorded once per shift during the 24-hour period prior to use.

3.4.***10*** Submit four legible copies of recorded information ***on QA Checklist Forms of 63101-000, Preservation Process Instruction (PPI) Core (see 4.7) and Figure 634-3-26 of 2.c*** to NAVSHIPREPFAC upon completion of the Work Item.

3.4.***11*** Submit four legible copies of the manufacturer's warranty documents to NAVSHIPREPFAC when specified in the Job Order.

3.5 Consider marine coatings to contain heavy metals (e.g., lead, zinc, copper, tin, cadmium, hexavalent chromium, or chromium), crystalline silica, and/or other toxic or hazardous substances.

3.5.1 Submit four legible copies of the laboratory analysis listing results of personnel monitoring to NAVSHIPREPFAC within 10 working days of any such testing.

3.5.1.1 Personnel monitoring shall be managed by a qualified person [e.g., Health Supervisor (EISEI-KANRI-SHA), Industrial Doctor (SANGYOU-I), Pubic Health Engineering Supervisor (EISEI-KOUGAKU-EISEI-KANRI-SHA)] or Industrial Hygiene Consultant (ROUDOU-EISEI-KONSARUTANTO), and accomplished by a Work Environmental Investigator (SAGYOU-KANKYOU-SOKUTEI-SHI).

3.5.2 Submit four legible copies of a report when no personnel monitoring was conducted, which provides the basis for such a decision not to engage in personnel monitoring, e.g., insufficient time (less than 7 hours) is available to conduct personnel air monitoring.

(V) or (I)(G) "ENVIRONMENTAL READINGS" (See 4.4 for criteria.)

3.6 Ambient and metal surface temperatures, relative humidity, and dew point at a minimum of four-hour intervals during painting process shall be recorded from conditions on-site, in close proximity to the structure being coated.

3.6.1 Coatings applied on areas listed in 3.4 shall be applied only when the temperature of the prepared substrate is greater than 50 degrees Fahrenheit and a minimum of five degrees Fahrenheit above the dew point.

3.6.1.1 Euronavy ES301 is exempt from dew point requirement of 3.6.1.

(V) or (I)(G) "CLEANLINESS" (See 4.4 for criteria.)

3.6.***2*** Accomplish degreasing and cleaning prior to surface preparation to ensure removal of surface contaminants, such as sea salts, grease, oil, and other petroleum products.

3.6.***3*** Accomplish the safety precautions as specified in 2.***b***, 2.***e***, and the Job Order during surface preparation and the application or removal of marine coatings.

3.6.***4*** Select the specific requirements of 2.b, 2.c, and 2.***f*** listed in the application of Tables One through 18 of this item for determining the type of surface preparation required and coating system options that are available for use in accomplishing the work specified unless otherwise directed in the Work Item.

3.6.***5*** For non-skid coatings, surface preparation methods outlined in Paragraph 634-3.***27*** of 2.***c*** must be strictly followed.

3.6.***6*** Limit surfaces being prepared for preservation in size to an area which can be coated prior to the occurrence of flash rusting and/or oxidation. Remove any flash rust prior to painting, except as follows:

3.6.***6***.1 Surfaces cleaned by hydroblasting or waterjetting shall meet the applicable standard for flash rust.

3.6.***7*** Abrasive blast equal to an SSPC-SP-10 of 2.c and prime steel and aluminum plates, shapes, and ferrous piping prior to shipboard installations except in the areas where weld joints remain to be accomplished, or unless specified otherwise in the invoking Work Item.

3.6.***8*** For disturbed and/or partially preserved or inaccessible areas, the minimum surface preparation shall be that shown in the applicable Tables, except that an SSPC-SP-11 is acceptable for areas originally requiring an SSPC-SP-10 or SSPC-SP-12.

3.6.***8***.1 Disturbed areas are defined as any surface that requires cleaning and/or painting due to existing paint finish being damaged in the accomplishment of work specified by the Job Order.

3.6.***8***.2 Deviations to the requirements may be authorized by NAVSHIPREPFAC based on size, locations, application, or severity of condition of coating system being applied.

3.6.***8***.3 Closure plates/hull accesses and their associated welds will not be considered a disturbed surface and shall be cleaned and painted by the applicable table.

3.6.***9*** Feather edges of well adhered paint remaining after cleaning.

3.6.***10*** Clean prior to painting, insulation and lagging free of foreign matter and contaminants that would prevent adherence of paint.

3.6.***11*** Clean prepared and previously painted surfaces free of foreign matter which will affect adherence of paint coatings. Inclusions such as dust and debris in the paint film shall be removed prior to the application of the next coat.

3.6.***12*** Remove foreign matter and debris resulting from cleaning operations.

3.6.***13*** Record and restore existing painted labels, compartment designations, hull markings, and other painted information which will be removed or covered during cleaning and painting operations.

3.6.***14*** Install masking material for protection of equipment and items not to be painted during preservation. Shipboard items not to be painted are listed in Paragraph 631-8.22 of 2.b.

(V) or (I)(G) "SURFACE PROFILE" (See 4.4 for criteria.)

3.6.16 Following blasting operations, surface peak-to-valley profile must be checked. If profile of two to three mils is not present, profile must be established, based upon five readings per 1,000 square feet. Profile measurements shall be taken in accordance with Method C of 2.g.

3.6.16.1 When surface profile requirements of the manufacturer's instructions are greater than that specified in this item, they shall supersede this item.

(V) or (I)(G) "SURFACE PREPARATION" (See 4.4 for criteria.)

3.6.***17*** Verify surface preparation for the coating systems specified in 3.1.

(I)(G) "CONDUCTIVITY OR CHLORIDE MEASUREMENT"

3.6.***18*** Accomplish conductivity or chloride measurements for the Tables and Lines ***listed in 3.1.***

3.6.***18***.1 Accomplish surface chloride checks or conductivity checks using available field or laboratory test equipment on the freshly prepared surface. Five determinations shall be conducted every 1,000 square feet. Areas less than 1,000 square feet shall have five determinations made. For immersed applications, such as tanks and bilges, chloride measurements shall not exceed 3 micrograms per square centimeter (30 mg/m^2) nor shall the conductivity measurements exceed 30 microsiemens per centimeter. For non-immersed applications, chloride measurements shall not exceed 5 micrograms per square centimeter (50 mg/m^2) nor shall the conductivity measurements exceed 70 microsiemens per centimeter. If the chloride or conductivity measurements exceed the respective values, water wash the affected areas with fresh water. Dry the affected areas and remove all standing water. Accomplish surface chloride and conductivity checks on the affected areas. Repeat step until satisfactory levels are obtained. Flash rust/surface oxidation is prohibited for tanks, floodable voids, non-skid and well deck overhead applications and must be removed. All other areas shall not exceed light, tightly adherent flash rust as described in NOTE (22).

3.7 Store paint in a cool, dry place, do not expose to freezing temperatures or direct sunlight, and in accordance with manufacturer's instructions. Storage of non-skid coatings shall be in accordance with Table 634-3-4 of 2.***c***.

3.8 Coating systems shall be applied in accordance with the applicable tables ***and 2.b***.

3.8.1 For commercial underwater hull coating systems including anticorrosive paints and antifouling paints, the manufacturer's primer must be used with his antifouling coating. No substitution is allowed.

3.8.1.1 Successive coats of anticorrosive paints shall be of a contrasting color.

3.8.2 Utilize water-based latex fire retardant paints in preference to chlorinated alkyd based fire retardant paints. Such paints are available under MIL-PRF-24596 or a Naval Sea Systems Command (NAVSEA) approved product (Formula 25A). Accomplish the surface preparation and coating application requirements of 2.b when using water-based paints.

3.8.3 Apply the first coat of MIL-P-15931 (Formulas 121/129) or MIL-PRF-24647 antifouling paint when the last coat of epoxy paint is still slightly tacky (approximately four to six hours after paint application). Tacky is defined as that curing (drying) stage when a fingertip pressed lightly against the film leaves only a slight impression and none of the film sticks to the finger. If the epoxy is hard (usually eight hours after application), apply a tack coat of epoxy paint one to two mils wet film thickness (WFT) over previously painted surfaces. Allow to dry four hours and apply the antifouling paint. Above also applies to application of any non-epoxy system over an epoxy coating.

3.8.4 Mix and apply the approved proprietary coatings in accordance with manufacturer's instructions, except for requirements when invoked for surface preparation and minimum DFT as specified in Tables One, 4, 5, 6, 7, and 15. The requirements of 3.8.3 also apply to manufacturers' proprietary coatings.

3.8.5 Mix and apply the Navy Polyamide Epoxy MIL-DTL-24441 coatings in accordance with the following, except the DFT shall be as specified in Tables One through 11, 14 and 15. The MIL-DTL-24441 coatings mixing ratio is one-to-one by volume. The components of the various formulas are not interchangeable. Blend each component thoroughly prior to mixing the components. After mixing equal volumes of the two components, the mixture must be thoroughly stirred, and the stand-in times listed below must be observed.

3.8.5.1 Stand-in time (induction time) is defined as the time immediately following the mixing of the components A and B during which the critical reaction period of these components is initiated and is essential to the complete curing of the coating. During stand-in time the mixture must be thoroughly stirred at least once every 20 minutes to avoid hot spots caused by localized overheating from the chemical reaction.

SURFACE TEMPERATURE AT JOB SITE (DEGREES FAHRENHEIT)	STAND-IN TIME IN HOUR
35 to 60	Two hours at 70 degrees Fahrenheit (paint temperature)
50 to 60	Two hours at job site temperature
60 to 70	One hour to 1-1/2 hours at job site temperature
70 and above	1/2 to One hour at job site temperature

(V) or (I)(G) "STRIPE COAT INSPECTION" (See 4.4 for criteria.)

3.8.6 Apply stripe coat to weld seams, cutouts, corners, edges, and butts in tanks, bilges, and well deck overheads in accordance with the coating manufacturer's instructions. Stripe coat the edges, weld seams, foot/hand holds (including inaccessible areas, such as back side of piping, under side of I-beams), and other mounting hardware (non-flat surface) after the prime coat has dried. The stripe coat shall encompass all edges, as well as at least one-inch border outside each edge. Stripe coating applied shall be neat in appearance, minimizing extra thickness applied to edges, as well as streaks and drops of paint. Stripe coating should be done whenever represerving. The stripe coat shall encompass all edges as well as at least a one-inch border outside each edge and weld.

3.8.6.1 Apply one stripe coat after the primer (or mist coat after inorganic zinc) for MIL-PRF-23236 coatings.

3.8.6.2 Apply one stripe coat after the primer for MIL-DTL-24441 coat system and another stripe coat after the intermediate coat, but prior to final coat. For a two-coat system, only one stripe coat is required.

3.8.6.3 Each stripe coat shall be unthinned paint of the specified paint system and shall be a different color from both the paint over which it is being applied and the next coat in the system. First coat inspection shall be accomplished prior to stripe coat application.

3.8.7 Drying time between coats of specified coating for potable and feedwater tanks shall be a minimum of 48 hours at a minimum temperature of 70 degrees Fahrenheit, using heated air if necessary to maintain temperature. Ventilation shall be sufficient to ensure continuous flow of air through the tanks with at least one complete air change every four hours. Mixing and stand-in times (induction times) shall be in accordance with manufacturer's instructions.

3.8.8 Cure potable and feedwater tank coatings for at least seven consecutive days prior to filling with water. Maintain a temperature of 70 degrees Fahrenheit within the tanks. Ventilation shall ensure continuous flow of air with a minimum of one complete air change every four hours.

3.8.8.1 Freshly painted potable water tanks shall be rinsed at least twice with fresh water to ensure cleanliness of tank.

(I)(G) "INSPECT TANK"

3.8.8.2 Inspect tank for cleanliness and coating integrity.

3.9 Overcoating of MIL-DTL-24441 with MIL-DTL-24441.

3.9.1 If less than seven days has elapsed since the application of the prior coat, the next coat may be applied after visual inspection to confirm the absence of grease, dirt, salts, or other surface contaminants. If surface contamination is suspected as a result of visual inspection or for other reasons, the entire surface shall be cleaned using a fresh water and detergent wash, followed by a fresh water rinse. The next coat of MIL-DTL-24441 shall be applied after surfaces are completely dried.

3.9.2 If more than seven days but less than 30 days has elapsed since the application of the prior coat, the entire surface shall be cleaned using a fresh water and detergent wash followed by a fresh water rinse. Ensure the surface has fully dried, then apply a tack coat (one to 2 mils WFT) of the last coat applied or Formula 150. The tack coat shall be allowed to cure (dry) to when a fingernail pressed lightly against the film leaves only a slight impression and none of the film sticks to the finger, then apply the next full coat of the system.

3.9.3 If grater than 30 days has elapsed since the application of the prior coat, the entire surface shall be cleaned using a fresh water and detergent wash, followed by a fresh water rinse. After allowing the surface to dry, the surface shall be lightly abraded using a brush-off abrasive blast (preferred), power sanding, or hand sanding, then apply the next full coat of the system.

3.10 Overcoating of MIL-DTL-24441 with non-MIL-DTL-24441 (proprietary) topcoats:

3.10.1 The non-MIL-DTL-24441 topcoat shall be applied before the MIL-DTL-24441 base coat has hardened (while still tacky as defined in 3.8.3).

3.10.1.1 If the MIL-DTL-24441 base coat has hardened but less than 30 days has elapsed, the entire surface shall be cleaned using a fresh water and detergent wash, followed by a fresh water rinse. Ensure the surface has fully dried, then apply a tack coat (one to 2 mils WFT) of the last coat applied or Formula 150. The tack coat shall be allowed to cure (dry) to when a fingernail pressed lightly against the film leaves only a slight impression and none of the film sticks to the finger, then apply the next full coat of the non-MIL-DTL-24441 system.

3.10.1.2 If greater than 30 days has elapsed since the application of the prior coat, the entire surface shall be cleaned using a fresh water and detergent wash, followed by a fresh water rinse. After allowing the surface to dry, the surface shall be lightly abraded using a brush-off abrasive blast (preferred), power sanding, or hand sanding, then apply a full coat of MIL-DTL-24441. Let this coat dry to a tacky state as defined in 3.8.3, then apply the next full coat of the non-MIL-DTL-24441 system.

3.11 Overcoating of non-MIL-DTL-24441 (proprietary) epoxy coatings:

3.11.1 Follow the manufacturer's direction for the allowable overcoat window, not to exceed 30 days. The 30-day maximum may be extended beyond 30 days if specifically approved in writing by NAVSEA. Where the basecoat and topcoat are provided from different manufacturers, the term "manufacturer" refers to the manufacturer of the basecoat.

3.11.1.1 If either the manufacturer's recommendation or the 30-day window (or a specific extension approved by NAVSEA) has been exceeded, the coating shall be reactivated by either following the manufacturer's recommendation for re-activating the surface or cleaning the entire surface using a fresh water and detergent wash, followed by a fresh water rinse. After allowing the surface to dry, the surface shall be lightly abraded using a brush-off abrasive blast (preferred), power sanding, or hand sanding.

3.11.1.2 Apply the next full coat of the proprietary system, if used. If MIL-DTL-24441 is being used for the topcoat, apply one full coat of MIL-DTL-24441 Formula 150, let dry to a tacky state as defined in 3.8.3, then apply one full coat of MIL-DTL-24441 of the desired color.

3.11.2 Comply with the time requirements of 2.d for application of non-skid over primer coat.

(V) or (I)(G) "FILM THICKNESS" (See 4.4 for criteria.)

3.12 Measure DFT of each coat applied for the coating systems listed in 3.4.

3.12.1 DFT readings shall not be measured in areas where stripe coatings have been applied.

3.12.2 DFT for each coat shall be measured in accordance with Method PA-2 of 2.***f***.

3.12.3 WFT readings are required in lieu of dry when the system requires application of a tack coat. Refer to film thickness conversion table in 2.***f***. See 4.***8*** for calculation of a film thickness.

3.12.4 For underwater hull paint systems, record a minimum of 30 DFT readings per 1,000 square feet. Baseline DFT readings of underwater hull paint system shall be measured after final coat is applied and Quality Assurance spot readings in accordance with 2.***f*** are completed.

3.12.5 Apply an additional coat of any single coat of a multiple coat system when that coat measures less than its specified DFT. Multiple coats shall be of contrasting color. DFT of each coat, including an additional coat if applied, shall not exceed the specified maximum thickness for each coat.

(V)(G) "HOLIDAY INSPECTION" (See 4.4 for criteria.)

3.13 ***Accomplish a holiday inspection using a low voltage holiday detector after the prime coat, and*** accomplish a visual holiday inspection on the final coating system. Any holiday found shall be marked and touched up in accordance with 3.4.

3.13.1 Remove masking material and paint overspray after cleaning and painting operations are completed.

3.14 Preservation Process Instructions (PPIs), when invoked, provide detailed instructions and procedures for specific ship preservation evolutions to include safety precautions, surface preparation, selection of appropriate coating systems, and third-party quality assurance check points. See Section 12 of 2.b for details. (Section 12 is provided in Advance Change Notice [ACN] 5A, Control Number N00024-00-FJB25.)

4. NOTES:

4.1 Thicknesses specified in Tables One through 18 are DFT and are minimum requirements, unless otherwise specified.

4.2 Total DFT encountered during removal may exceed specified table thicknesses.

4.3 Total removal of ablative coating is not required in accordance with 631-5.2.3.3 of 2.b. The invoking Work Item will specify the degree of removal.

4.4 The paragraphs referencing this note are considered an (I)(G) if the inspection/test is on a critical surfaces as listed in 3.4. If the inspection/test is not on a critical surface as listed in 3.4, then the paragraph is considered a (V).

4.5 The word ?new? in ?new and disturbed surfaces? refers to all material installed on the ship by the contractor regardless of source.

4.6 Structural requirements of Notes (23) and (24) will be addressed by the invoking Work Item.

4.7 QA Checklist Forms referred to in 3.4.10 will be available at NAVSHIPREPFAC Design Division, Technical Support Branch Code 244.

4.***8*** WFT equals DFT divided by percent solids by volume (when percent solids by volume is expressed as a decimal, i.e., 60 percent equals 0.60).

NOTES OF TABLES ONE THROUGH 18

(1) The following items apply to MIL-DTL-24441 coatings:

a. MIL-DTL-24441 polyamide epoxy paints do not require thinning prior to application. If desired, the low temperature application properties can be improved by the addition of 10 percent by volume of one-to-one mixture of butyl alcohol and high flash naphtha or paint thinner TT-P-291. When sprayed without thinning at the recommended thickness, the paints have no tendency to sag. Apply a thinned mist coat of one to 2 mils wet film thickness over existing paint.

b. When MIL-DTL-24441 polyamide epoxy paints are used at a work site having temperatures below 50 degrees Fahrenheit, it is essential that the stand-in period be accomplished in a warm area (70 degrees Fahrenheit) to ensure that the coating will cure.

c. Exterior side shell and underwater body painting at surface temperatures between 25 degrees Fahrenheit and 35 degrees Fahrenheit is not recommended, but can be approved by NAVSHIPREPFAC provided the following conditions are met:

(1) Ambient temperature must be a minimum of five degrees Fahrenheit above the dew point.

(2) Hull surfaces must be absolutely dry and free of any signs of frost and ice.

(3) Drying time will be increased by four hours for a total of eight hours drying time per coat.

(4) No painting is allowed below surface temperature of 25 degrees Fahrenheit.

(5) Paint shall be stored at 70 degrees Fahrenheit for 24 hours before use.

d. Painting shall not be accomplished unless surface is dry and surface temperature is at least five degrees Fahrenheit above the dew point.

e. Approximate temperature of paint components in storage should be estimated in order to judge the amount of stand-in time to allow and the pot life that might be expected. The work site application temperature will greatly affect the time required for the paint to cure, and must be considered in estimating batch size, stand-in time, and cure time.

f. Paints should be sprayed using standard spray guns with applicable spray-pot pressures. The spray guns should be equipped with a middle-size (D) needle, nipple, and nozzle set-up. Both conventional and airless equipment are suitable for use with these paints.

g. Catalyzed paints should not be allowed to stand in the spray equipment for extended periods, especially in the sun (increasing temperature cures the paint more rapidly). The pot life of the paint mixture (components A and B) is six hours at 73 degrees Fahrenheit.

h. Epoxy primers applied in the vicinity of abrasive blasting must be sheltered from airborne contaminants. Abrasive particles trapped in wet paint films are a source of premature blistering and film failure.

(2) Boottop - The boottopping is defined as the black area from minimum load waterline at which the ship is expected to operate to 12 inches above the maximum load waterline. The black paint is an antifouling paint conforming to MIL-PRF-24647 for a five to 10-year service life, or MIL-P-15931 for two-year service life. Haze gray shall be carried to the black antifouling paint which marks the upper boottop paint.

(3) Ameron ***Amecoat*** 235 can be used for cold weather application below 40 degrees Fahrenheit. Apply at five mils DFT (minimum) per coat.

(4) Use ***International*** FCA 321 in lieu of FPA 327, or KHA414 in lieu of KHA062, for cold weather application below ***50*** degrees Fahrenheit.

(5) Use Hempadur 4514 in lieu of 4515 for cold weather applications below 50 degrees Fahrenheit.

(6) A minimum of 24 hours drying time shall be allowed after last coat prior to undocking.

(7) To ensure a continuous primer base, areas adjacent to those being coated with proprietary primer and non-skid listed on QPL's for MIL-PRF-24667 shall be coated with the same primer and compatible topcoat.

(8) Intentionally left blank.

(9) DOD-E-24607, chlorinated alkyd, may also be used. DOD-E-24607 must be used if surface and ambient temperature are less than 50 degrees Fahrenheit.

(10) For MIL-PRF-23236, Types I, III, or IV shall be used in fuel/salt water ballast service. Qualified paint systems additionally designated Class One may be used with the qualified shop primer - this is generally a new construction issue. Qualified paint systems designated Class 2 are only for salt water ballast tanks - no exposure to fuels or other hydrocarbons is permitted.

(11) Coating to be applied in accordance with data sheet. The maximum coating thickness will be the minimum plus 150 percent of minimum, i.e., for eight mils this will be eight plus 12 (for maximum allowable of 20 mils).

(12) ***These systems may also be invoked for preservation of decks in spaces that are prone to wear and do not receive deck covering.***

(13) Anchors below lower boottopping limit shall be painted in accordance with normal underwater hull anticorrosion/antifouling system.

(14) For MCM, and MHC ships, use black walnut shells conforming to A-A-1722, Type II, or garnet MIL-A-21380 or garnet MIL-A-22262, for abrasive blast media.

(15) Anchor chain and detachable links shall be marked and color coated in accordance with NSTM Chapter 581 unless otherwise directed by the invoking Work Item.

(16) Apply one mist coat (one-two mils) of Ameron PSX 700 after blast and prior to remaining coats where invoking Work Item requires anchor chain inspections prior to preservation.

(17) Colors shown in ***Tables 631-8-13 and 631-8-14 of 2.b***, shall be specified by TYCOM or ship's Commanding Officer per ***Paragraph*** 631-8.23.4 ***of 2.b***.

(18) Restore each compartment marking in accordance with 2.***h*** and 2.***i***.

(19) MIL-PRF-24667 non-skid systems shall be applied as complete systems (primer, intermediate coat when MIL-PRF-24667 Type III coatings are invoked, non-skid, and color topping) from the same manufacturer except for the color topping. When a manufacturer does not have approved color topping, use another compatible manufacturer color topping. MIL-PRF-24667, Type I, when required, shall be specified in the invoking Work Item. Boundaries of areas receiving non-skid not specific ship's drawings shall be in accordance with 2.***c***.

(20) Prior to accomplishing painting of wooden underwater hulls, allow the hull to dry to a moisture content of 15 percent. Readings shall be taken with an electronic moisture meter, Sovereigh Moisture Master or equal. Cover grounding plates and zincs prior to painting.

(21) Blasted surface metal must be decreased following walnut shell blasting. Even traces of residual oil will degrade coating adhesion. Optimum method is to wipe down the blasted surface with a 1:1 solvent mixture by volume of methyl ethyl ketone and mineral spirits. Appropriate safety precautions for working with flammable solvents must be enforced. Alternate procedure is a vigorous soap and water wash followed by pressurized fresh water rinse. Do not use a detergent and fresh water washdown when using aluminum oxide as an abrasive blast medium.

(22) Blasted surface must be cleaned to near white surface finish, SSPC-SP-10, International Courtaulds Marine Paint Company Hydroblasting Standard HB2-1/2L, or NACE 5/SSPC-SP-12 condition WJ-2L.

(23) ***For non-edge retentive coatings, radiusing of edges is recommended to ensure maximum service life. If edges are not radiused, the service life could be substantially reduced.***

(24) ***Deburring and grinding of weld spatter is recommended to ensure maximum service life. If weld spatter is not removed, the service life of the coating could be substantially reduced.***

(25) Power impact tool cleaning using power-driven needle guns, chipping or scaling hammers, rotary scalers, single or multiple-piston scalers, or other similar impact cleaning tools shall not be utilized in the cleaning methods.

(26) For Tables 4 ***through*** 6 maintain the relative humidity in the tank or void space at a maximum of 50 percent from the start of abrasive blasting to cure of the topcoat.

(27) Finish coats for boats and craft shall be as specified in Paragraph 631-9.3.4 through 631-9.3.5 of 2.b unless otherwise specified in the invoking Work Item.

(28) Thermal insulation shall be soap and water cleaned and hand sanded.

(29) Three coats of MIL-DTL-24441, Type III, at 3-4 mils per coat can be substituted for two coats of MIL-DTL-24441, Type IV, at 4-6 mils per coat, for total system DFT of 8-12 mils.

(30) Grit blasting to near white metal is the preferred method of surface preparation. Only where grit blasting is not possible should power tool cleaning be used. Power tool cleaning should not be used for well deck areas frequently exposed to Landing Craft Air Cushion (LCAC) exhaust.

(31) A low pressure (3,000 to 5,000 psi) fresh water washdown of the well deck area shall be performed before either grit blasting or power tool cleaning to remove dirt, oil, grease, salts, and loosely adherent coatings.

(32) Upon completion of surface preparation, pH measurements must be accomplished. The pH must be in the range of 6.5 to 7.5. If it is not, the surface must be washed with fresh water until the required pH is obtained.

(33) Runs, sags, drips may appear in the coating due to its solvent-free nature and application properties. In the normal application of this product, the appearance of runs, sags, and drips is only superficial and is not detrimental to the coating system. In these cases, no action shall be taken. In cases where the conditions are determined to be detrimental (coating in excess of 50 mils DFT) to the effectiveness of the coating system, immediate action shall be taken. If the wet run, sag, or drip occurs on a dry surface, brush out the run, sag, or drip and reapply the prime coat directly over the brushed out area. It the run, sag, or drip has dried, then the affected area shall be scraped or mechanically removed and the prime coat shall be reapplied.

(34) ***These systems may also be invoked for preservation of well deck bulkheads and decks.***

(35) Fill bearing void with Termalene 2 or equal in accordance with CID A-A-50433 after each bearing void installation. Bearing void painting is to be accomplished only when the shaft is removed.

(36) Install vermiculite based anti-sweat treatment in accordance with Paragraph 631-7.8.3 and 631-7.8.4 of 2.b.

(37) Total DFT specified in Table 4 for potable water tanks shall not be exceeded except in isolated areas adjacent to shapes and stiffeners. In no case shall the maximum DFT be exceeded by two mils. The isolated areas shall be less than two percent of the total area.

a. For touch-up or overcoating intact aged paint in good condition, the same requirements for each coat apply, and the total film thickness maximum requirement may be corrected to allow for thickness of underlying aged paint. Requirement is to avoid excess thickness in individual coats. High DFT resulting from the application of extra

coats of paint is not considered to be a problem below 35 mils total DFT.

(38) Formula 124, DOD-E-24607 tinted with MIL-C-22325 may be used when none of the approved colors are available. However, this should be a last resort.

(39) Apply heat-resisting paint (TT-P-28) to surfaces, whether insulated or not, where operating temperature is over 400 degrees Fahrenheit. Heat-resisting paint should also be applied to normally uninsulated hot metal surfaces such as boiler drum gages and pressure gage piping. Heat-resisting paint is highly flammable during application and should not be applied where surface operating temperatures exceed 85 degrees Fahrenheit. Proper application is two thin coats on well-prepared, dry metal surfaces.

(40) Avoid excessive power wire brushing that results in a polished surface.

(41) Apply three coats of a vapor barrier coating compound, MIL-PRF-19565, in contrasting colors (white-orange-white), to insulation within laundries, sculleries, galleys, drying rooms, and to insulation on the warm side of refrigerated stores spaces.

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STEEL SURFACES TABLE 1	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS) SEE NOTE (35) SERVICE LIFE FOR 2 YEARS OR LESS	1	NEAR WHITE METAL BLAST CLEAN SSPC-SP-10 -- OR -- FOR HYDROBLASTED SURFACES USE INTERNATIONAL COURTAULDS MARINE PAINT COMPANY HYDROBLASTING STANDARD HB2-1/2L, OR NACE 5/SSPC-SP-12 CONDITION WJ-2L	ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)	ONE COAT F-154 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)		2 COATS F-121A MIL-P-15931, 2 MILS/COAT 4 MILS MIN TOTAL MIN DRYING TIME OF 24 HRS SHALL BE ALLOWED BETWEEN LAST COAT AND UNDOCKING OF SHIP SEE NOTE (27)	2 COATS F-129A MIL-P-15931, 2 MILS/COAT 4 MILS MIN TOTAL MIN DRYING TIME OF 24 HRS SHALL BE ALLOWED BETWEEN LAST COAT AND UNDOCKING OF SHIP SEE NOTE (2)	ONE COAT MIL-PRF-24635 LT GRAY NO. 26373 (FED-STD-595) TO BOOTTOPPING AND BELLOW, 3 MILS ONE COAT MIL-PRF-24635 OCEAN GRAY NO. 26173 (FED-STD-595) ABOVE BOOTTOPPING, 3 MILS
	2	SAME AS LINE ONE	ONE COAT AMER-COAT 385, 4-6 MILS	ONE COAT AMER-COAT 385, 4-6 MILS		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	3	SAME AS LINE ONE	ONE COAT INTERNATIONAL FPL 274/FPA 327, RED, 5 MILS -- OR -- KHA303/KHA062, 5 MILS SEE NOTE (4)	ONE COAT INTERNATIONAL FPJ 034/FPA 327, GRAY, 5 MILS -- OR -- KHA302/KHA062, 5 MILS SEE NOTE (4)		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	4	SAME AS LINE ONE	ONE COAT JOTUN 65-R-10, 4-6 MILS	ONE COAT JOTUN 65-F-15, 4-6 MILS		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	5	SAME AS LINE ONE	ONE COAT AMERON ***AMERCOAT*** 235, RED, 5 MILS SEE NOTE (3)	ONE COAT AMERON ***AMERCOAT*** 235, GRAY, 5 MILS SEE NOTE (3)		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE

STEEL SURFACES TABLE 1 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS) 5 YEARS SERVICE LIFE	6	SAME AS LINE ONE	ONE COAT INTERNATIONAL FPL 274/FPA 327, RED, 5 MILS -- OR -- KHA303/KHA062, 5 MILS SEE NOTE (4)	ONE COAT INTERNATIONAL FPJ 034/FPA 327, GRAY, 5 MILS -- OR -- KHA302/KHA062, 5 MILS SEE NOTE (4)		ONE COAT BRA 642 BLACK, ONE COAT 640 RED MIL-PRF-24647, 5 MILS/COAT SEE NOTES (2)&(6)	2 COATS BRA 642 BLACK, MIL-PRF-24647, 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	7	SAME AS LINE ONE	ONE COAT AMERON ***AMERCOAT*** 235, RED, 5 MILS -- OR -- DEVRAN 230, 5 MILS SEE NOTE (3)	ONE COAT AMERON ***AMERCOAT*** 235, GRAY, 5 MILS -- OR -- DEVRAN 230, 5 MILS SEE NOTE (3)		ONE COAT ABC 3 BLACK, ONE COAT ABC 3 RED, MIL-PRF-24647, 5 MILS/COAT SEE NOTES (2)&(6)	2 COAT ABC 3 BLACK, MIL-PRF-24647, 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	8	SAME AS LINE ONE	ONE COAT HEMPADUR 4515-5063AC, RED, 5 MILS SEE NOTE (5)	ONE COAT HEMPADUR 4515-1148AC, GRAY, 5 MILS SEE NOTE (5)		ONE COAT OLYMPIC 7660-1999AF BLACK, MIL-PRF-24647 -- AND -- ONE COAT OLYMPIC 7660-5111AF, RED MIL-PRF-24647 5 MILS/COAT SEE NOTES (2)&(6)	2 COATS OLYMPIC 7660-1999AF BLACK, MIL-PRF-24647, 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE

STEEL SURFACES TABLE 1 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS) 7 YEARS SERVICE LIFE	9	SAME AS LINE ONE	SAME AS LINE 6	SAME AS LINE 6		ONE COAT BRA 642 BLACK, ONE COAT 640 RED MIL-PRF-24647, 6 MILS/COAT SEE NOTES (2)&(6)	2 COATS BRA 642 BLACK, MIL-PRF-24647, 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	10	SAME AS LINE ONE	SAME AS LINE 7	SAME AS LINE 7		ONE COAT ABC 3 BLACK, ONE COAT ABC 3 RED, MIL-PRF-24647, 6 MILS/COAT SEE NOTES (2)&(6)	2 COATS ABC 3 BLACK, MIL-PRF-24647, 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	11	SAME AS LINE ONE	SAME AS LINE 8	SAME AS LINE 8		ONE COAT OLYMPIC 7660-1999AF BLACK, MIL-PRF-24647 -- AND -- ONE COAT OLYMPIC 7660-5111AF, RED MIL-PRF-24647 6 MILS/COAT SEE NOTES (2)&(6)	2 COATS OLYMPIC 7660-1999AF BLACK, MIL-PRF-24647, 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS) 10 TO 12 YEARS SERVICE LIFE	12	SAME AS LINE ONE	SAME AS LINE 6	SAME AS LINE 6		ONE COAT BRA 640 RED, ONE COAT BRA 642 BLACK, ONE COAT 640 RED MIL-PRF-24647, 6 MILS/COAT SEE NOTES (2)&(6)	3 COATS BRA 642 BLACK, MIL-PRF-24647, 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE

STEEL SURFACES TABLE 1 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS) 10 TO 12 YEARS SERVICE LIFE	13	SAME AS LINE ONE	SAME AS LINE 7	SAME AS LINE 7		ONE COAT ABC 3 RED, ONE COAT ABC 3 BLACK, ONE COAT ABC 3 RED, MIL-PRF-24647, 5 MILS/COAT SEE NOTES (2)&(6)	3 COATS ABC 3 BLACK, MIL-PRF-24647, 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	14	SAME AS LINE ONE	SAME AS LINE 8	SAME AS LINE 8		ONE COAT OLYMPIC 7660-5111AF RED, MIL-PRF-24647 -- AND -- ONE COAT OLYMPIC 7660-1999AF BLACK, MIL-PRF-24647 -- AND -- ONE COAT OLYMPIC 7660-5111AF RED, MIL-PRF-24647, 5 MILS/COAT SEE NOTES (2)&(6)	3 COATS OLYMPIC 7660-1999AF BLACK, MIL-PRF-24647, 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
UNDERWATER HULL (STRUTS, RUDDERS, AND OTHER CAVITATION PRONE AREAS)	15	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	4 COATS 3M CO. NO. EC-2216, ONE COAT 6 MILS WFT (4.2 MILS DFT), 3 COATS 8 MILS WFT/COAT (5.6 MILS DFT/COAT)	ANTIFOULING PAINT SAME AS SURROUNDING HULL		
	16	SAME AS LINE ONE	ONE COAT AMERON ***AMERCOAT*** 235, 3-4 MILS -- OR -- DEVRAN 230, 3-4 MILS SEE NOTE (3)	ONE COAT AMERON ***AMERCOAT*** 235, 5 MILS -- OR -- DEVRAN 230, 5 MILS SEE NOTE (3)	SAME AS LINE 15	SAME AS LINE 7		

STEEL SURFACES TABLE 1 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (STRUTS, RUDDERS, AND OTHER CAVITATION PRONE AREAS)	17	SAME AS LINE ONE	ONE COAT INTERNATIONAL FPL 274/FPA 327, 5 MILS -- OR -- KHA303/KHA062, 3-4 MILS SEE NOTE (4)	ONE COAT INTERNATIONAL FPJ 034/FPA 327 5 MILS -- OR -- KHA302/KHA062, 5 MILS SEE NOTE (4)	SAME AS LINE 15	SAME AS LINE 6		
	18	SAME AS LINE ONE	ONE COAT HEMPADUR 4515-5063AC RED, 3-4 MILS SEE NOTE (5)	SAME AS LINE 8	SAME AS LINE 15	SAME AS LINE 8		

STEEL SURFACES TABLE 2	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E HORIZONTAL SURFACES DECKS AND FITTINGS	F MASTS AND STACKS EXPOSED TO GASES	G VERTICAL SURFACES
LOCATION: EXTERIOR SURFACES ABOVE BOOTTOP WITH EXCEPTION OF FLIGHT DECK AND VERTICAL REPLENISH-MENT, ***WALK AREAS***, AND WELL DECK OVERHEAD AREAS SEE NOTE (2)	1	NEAR WHITE METAL BLAST CLEAN SSPC-SP-10 -- OR -- FOR HYDROBLASTED SURFACES USE INTERNATIONAL COURTAULDS MARINE PAINT COMPANY HYDROBLASTING STANDARD HB2-1/2L, OR NACE 5/SSPC-SP-12 CONDITION WJ-2L |	ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS -- OR -- ONE COAT MIL-PRF-24647 ANTICORROSIVE, 5 MILS SEE NOTES (1)&(29)	ONE COAT F-154 MIL-DTL-24441 TYPE-IV, 4-6 MILS -- OR -- ONE COAT MIL-PRF-24647 ANTICORROSIVE, 5 MILS SEE NOTES (1)&(29)		ONE COAT DECK GRAY NO. 26008 (FED-STD-595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS |	ONE COAT HAZE GRAY NO. 26270 (FED-STD-595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS -- OR -- MIL-E-24763 TYPE-II CLASS-2, 3 MILS -- OR -- INTERNATIONAL INTERLAC ONE, PRODUCT NO. 45587A, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN) -- OR -- NILES CHEMICAL PAINT CO. N-6605 (LOW SOLAR ABSORPTION ONLY)	ONE COAT HAZE GRAY NO. 26270 (FED-STD-595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS -- OR -- MIL-E-24763 TYPE-II CLASS-2 3 MILS, PAINT DESIGNATIONS AND MARKINGS MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) -- OR -- INTERNATIONAL INTERLAC ONE, PRODUCT NO. 45587A, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN) -- OR -- NILES CHEMICAL PAINT CO. N-6605 (LOW SOLAR ABSORPTION ONLY) IN LIEU OF WHITE USE LT GRAY NO. 26373 (FED-STD-595); IN PLACE OF BLACK USE OCEAN GRAY NO. 26173 (FED-STD-595)

STEEL SURFACES TABLE 2 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E HORIZONTAL SURFACES DECKS AND FITTINGS	F MASTS AND STACKS EXPOSED TO GASES	G VERTICAL SURFACES
LOCATION: EXTERIOR SURFACES ABOVE BOOTTOP WITH EXCEPTION OF FLIGHT DECK AND VERTICAL REPLENISH-MENT, ***WALK AREAS,*** AND WELL DECK OVERHEAD AREAS SEE NOTE (2)	2	NEAR WHITE METAL BLAST CLEAN SSPC-SP-10	ONE COAT INORGANIC ZINC SILICATE, DOD-P-24648, 2-3 MILS -- OR -- NSTM/CH-631, PARAGRAPH 631-8.23.2.1	ONE MIST COAT F-150 MIL-DTL-24441, 1-2 MILS WFT -- OR -- ONE COAT ANTICORROSIVE, MIL-PRF-24647, 1-2 MILS WFT SEE NOTE (1)	ONE COAT F-150 OR F-151 MIL-DTL-24441, 2-4 MILS WHEN FIRST COAT IS STILL TACKY -- OR -- ONE COAT ANTICORROSIVE, MIL-PRF-24647, 5 MILS SEE NOTE (1)	SAME AS LINE ONE APPLY WHILE EPOXY IS TACKY IN FINAL STAGE	SAME AS LINE ONE APPLY WHILE EPOXY IS TACKY IN FINAL STAGE	SAME AS LINE ONE APPLY WHILE EPOXY IS TACKY IN FINAL STAGE
HANGAR DECKS, FLIGHT DECKS, AND VERTICAL REPLENISH-MENT DECK AREAS	3	NEAR WHITE METAL BLAST CLEAN SSPC-SP-10 -- OR -- FOR HYDROBLASTED SURFACES USE INTERNATIONAL COURTAULDS MARINE PAINT COMPANY HYDROBLASTING STANDARD HB2-1/2L, OR NACE 5/SSPC-SP-12 CONDITION WJ-2L	***STRIPE COAT*** PROPRIETARY NON-SKID PRIMER LISTED ON THE QPL FOR MIL-PRF-24667 SEE NOTE (7)	***PROPRIETARY NON-SKID PRIMER LISTED ON THE QPL FOR MIL-PRF-24667*** ***SEE NOTE (7)***		ONE COAT DARK GRAY, MIL-PRF-24667 TYPE-I COMP-G		
	4	***SAME AS LINE 3***	***PROPRIETARY NON-SKID PRIMER LISTED ON THE QPL FOR MIL-PRF-24667*** ***SEE NOTE (7)***	***STRIPE COAT PROPRIETARY NON-SKID PRIMER LISTED ON THE QPL FOR MIL-PRF-24667*** ***SEE NOTE (7)***	***PROPRIETARY NON-SKID PRIMER LISTED ON THE QPL FOR MIL-PRF-24667*** ***SEE NOTE (7)***	***SAME AS LINE 3***		

STEEL SURFACES TABLE 2 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E HORIZONTAL SURFACES DECKS AND FITTINGS	F MASTS AND STACKS EXPOSED TO GASES	G VERTICAL SURFACES
LOCATION: LANDING AND CATAPULT AREAS (CV'S AND CVN'S ONLY)	***5***	SAME AS LINE 3	SAME AS LINE 3	***SAME AS LINE 3***		ONE COAT DARK GRAY, MIL-PRF-24667 TYPE-I, COMP-L SEE NOTE (19)		
WALK AREAS (ALL DECK AREAS OTHER THAN HANGAR, FLIGHT AND VERTREP)	***6***	SAME AS LINE 3	SAME AS LINE 3	***SAME AS LINE 3***		ONE COAT DARK GRAY, MIL-PRF-24667 TYPE-I, II OR III, COMP-G -- OR -- ONE COAT MIL-PRF-24667 TYPE IV SEE NOTE (19)		
	7	***SAME AS LINE 3***	***SAME AS LINE 4***	***SAME AS LINE 4***	***SAME AS LINE 4***	***SAME AS LINE 6***		
EXTERIOR STEEL SURFACES	***8***	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 SEE NOTE (40)	SAME AS LINE ONE	SAME AS LINE ONE		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
WELL DECK OVERHEADS, BOTH EXPOSED AND NON-EXPOSED TO LCAC EXHAUST SEE NOTES (30)***&(34)***	***9***	NEAR WHITE METAL BLAST CLEAN, SSPC-SP-10 SEE NOTES (31)	ONE COAT CREAM, SIGMA COATINGS EDGEGUARD PRIMER, PDS NO. 5427, 6-8 MILS SEE NOTE (33)	ONE STRIPE COAT GRAY, SIGMA COATINGS EDGEGUARD TOPCOAT, PDS NO. 5428, 8-12 MILS SEE NOTE (33)	ONE COAT OFF-WHITE, SIGMA COATINGS EDGEGUARD TOPCOAT, PDS NO. 5428, 10-12 MILS SEE NOTE (33)			
	10	SAME AS LINE ***9***	ONE COAT GOLD, SHERWIN WILLIAMS PRIMER, B622H220/B62V220 6-8 MILS SEE NOTE (33)	ONE STRIPE COAT DARK GRAY, SHERWIN WILLIAMS NOVA-PLATE TOPCOAT, B62A220/B62V220, 8-12 MILS SEE NOTE (33)	ONE COAT OFF-WHITE, SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, B62A220/B62V220, 10-12 MILS SEE NOTE (33)			

STEEL SURFACES TABLE 2 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E HORIZONTAL SURFACES DECKS AND FITTINGS	F MASTS AND STACKS EXPOSED TO GASES	G VERTICAL SURFACES
LOCATION: VARIOUS	***11***	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 SEE NOTE (40)	***ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS*** ***SEE NOTE (1)***					

STEEL SURFACES TABLE 3	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS AND LIGHT TRAPS	D BULKHEADS AND OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKING
LOCATION: INTERIOR COMPART-MENTS COLORS TO BE SPECIFIED BY TYCOM OR SHIP'S COMMANDING OFFICER PER NSTM/CH-631 PARAGRAPH 631-8.23.4	1	HAND TOOL CLEAN, SSPC-SP-2 SEE NOTES (17) (28) &(40)	2 COATS F-84 TT-P-645, ALKYD ZINC MOLYBDATE, 3 MILS -- OR -- ONE COAT F-150 MIL-DTL-24441, 2-4 MILS APPLY TOPCOAT WHILE F-150 IS STILL TACKY. IF F-150 IS HARD, USE A TACK COAT PRIOR TO TOPCOAT -- OR -- MIL-PRF-23236, 3-5 MILS SEE NOTE (1)	BULKHEADS AND OVERHEADS; ONE COAT BLACK NO. 37038 (FED-STD-595), MIL-PRF-24635, 3 MILS DECKS; ONE COAT BLACK NO. 27038 (FED-STD-595), MIL-PRF-24635, 3 MILS	2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX, 5 MILS MAX -- OR -- 2 COATS OF NAVY FORMULA 25A, WATER-BASED FIRE RETARDANT COATING 5 MILS MAX SEE NOTE (9)	ONE COAT DECK GRAY NO. 26008 (FED-STD-595), MIL-PRF-24635, 3 MILS (TO DECKS NOT RECEIVING COVERING)	HULL, VENTILATION AND PIPING INSULATION 2 COATS SAME AS BULKHEADS AND OVERHEADS SEE NOTE (***28***)	FOR COMPARTMENT PIPING VENTILATION SEE NOTE (18)
	2	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	2 COATS DOD-E-24607, 3 MILS TOTAL	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
INTERIOR COMPART-MENTS (OVERCOAT)	3	HAND TOOL CLEAN, SSPC-SP-2 SEE NOTE (28)&(40)	SAME AS LINE ONE FOR BARE METAL AREAS	SAME AS LINE ONE EXCEPT ONE COAT	SAME AS LINE ONE EXCEPT ONE COAT		SAME AS LINE ONE EXCEPT ONE COAT	SAME AS LINE ONE EXCEPT ONE COAT
WET SPACES (WASH ROOMS, WATER CLOSETS, SHOWER STALLS, GALLEYS, SCULLERIES, AND STOREROOMS WHERE HEAVY CONDENSA-TION IS COMMON)	4	***POWER TOOL CLEAN TO BARE METAL SSPC-SP-11*** SEE NOTES ***(28)(29)&***(40)	ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS ***APPLY TOPCOAT WHILE F-150 IS STILL TACKY. IF F-150 IS HARD, USE A TACK COAT PRIOR TO TOPCOAT*** SEE NOTES (1)&(29)		ONE COAT F-152 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)	ONE COAT F-151 MIL-DTL-24441 TYPE-IV, 4-6 MILS (TO DECKS NOT RECEIVING COVERING) SEE NOTES (1)&(29)	SAME AS LINE ONE	SAME AS LINE ONE
	5	SAME AS LINE 4	MIL-PRF-23236		***MIL-PRF-23236***	***MIL-PRF-23236***	SAME AS LINE ONE	SAME AS LINE ONE

STEEL SURFACES TABLE 3 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS AND LIGHT TRAPS	D BULKHEADS AND OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKING
LOCATION: WET SPACES (WASH ROOMS, WATER CLOSETS, SHOWER STALLS, GALLEYS, SCULLERIES, AND STOREROOMS WHERE HEAVY CONDENSA-TION IS COMMON)	***6***	***POWER TOOL CLEAN TO BARE METAL SSPC-SP-11***	***ONE COAT EURONAVY ES301K, 4-6 MILS WFT***		***ONE STRIPE COAT EURONAVY ES301S, 4-6 MILS WFT -- AND -- ONE FINAL COAT EURONAVY ES301S, 4-6 MILS WFT*** ***TOTAL SYSTEM 12 MILS MAX***	***ONE STRIPE COAT EURONAVY ES301S, 4-6 MILS WFT -- AND -- ONE FINAL COAT EURONAVY ES301S, 4-6 MILS WFT*** ***TOTAL SYSTEM 12 MILS MAX***		
FIRE ZONE BULKHEAD	***7***	SAME AS LINE ONE	SAME AS LINE ONE		2 COATS THERMAL INSULATING (INTUMESCENT) PAINT, MIL-PRF-46081 -- OR -- MIL-PRF-24596 TYPE-II, 5 MILS/COAT			
INTERIOR STEEL SURFACES	***8***	NEAR WHITE METAL BLAST CLEAN, SSPC-SP-10 SEE NOTE (29)	***ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS*** ***SEE NOTES (1)&(29)***		ONE COAT F-156 OR F-152 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)	SAME AS COLUMN D/BULKHEADS -- OR -- NOT APPLICABLE (WHERE DECK PLATES EXIST)	SAME AS COLUMN D/BULKHEADS	SEE NOTE (18)

STEEL SURFACES TABLE 3 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS AND LIGHT TRAPS	D BULKHEADS AND OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKING
INTERIOR COMPART-MENTS COLORS TO BE SPECIFIED BY TYCOM OR SHIP'S COMMANDING OFFICER PER NSTM/CH-631 PARAGRAPH 631-8.23.4	***9***	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 SEE NOTES (17)(28)&(40)	2 COATS F-84 TT-P-645, ALKYD ZINC MOLYBDATE, 3 MILS -- OR -- ONE COAT F-150 MIL-DTL-24441, 2-4 MILS APPLY TOPCOAT WHILE F-150 IS STILL TACKY. IF F-150 IS HARD, USE A TACK COAT PRIOR TO TOPCOAT SEE NOTE (1)	BULKHEADS AND OVERHEADS; ONE COAT BLACK NO. 37038 (FED-STD-595), MIL-PRF-24635, 3 MILS DECKS; ONE COAT BLACK NO. 27038 (FED-STD-595), MIL-PRF-24635, 3 MILS	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	10	SAME AS LINE ***9***	SAME AS LINE ***9***	SAME AS LINE ONE	***2 COATS DOD-E-24607, 3 MILS TOTAL*** SEE NOTE (38)	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
INTERIOR COMPART-MENTS (OVERCOAT)	***11***	POWER TOOL CLEAN, SSPC-SP-3	SAME AS LINE ONE FOR BARE METAL AREAS	SAME AS LINE ONE EXCEPT ONE COAT	SAME AS LINE ONE EXCEPT ONE COAT			
WET SPACES (WASH ROOMS, WATER CLOSETS, SHOWER STALLS, GALLEYS, SCULLERIES, AND STOREROOMS WHERE HEAVY CONDENSA-TION IS COMMON)	***12***	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 SEE NOTES (28)&(40)	ONE COAT F-150 MIL-DTL-24441, 2-4 MILS APPLY TOPCOAT WHILE F-150 IS STILL TACKY. IF F-150 IS HARD, USE A TACK COAT PRIOR TO TOPCOAT SEE NOTE (1)		2 COATS F-152 MIL-DTL-24441, 2-4 MILS/COAT SEE NOTE (1)	2 COATS F-151 MIL-DTL-24441, 4-8 MILS TOTAL (TO DECKS NOT RECEIVING COVERING) SEE NOTE (1)	SAME AS LINE ONE	SAME AS LINE ONE
	13	SAME AS LINE ***12***	***MIL-PRF-23236 CLASS ONE***				SAME AS LINE ONE	SAME AS LINE ONE

STEEL SURFACES TABLE 3 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS AND LIGHT TRAPS	D BULKHEADS AND OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKING
LOCATION: WET SPACES (WASH ROOMS, WATER CLOSETS, SHOWER STALLS, GALLEYS, SCULLERIES, AND STOREROOMS WHERE HEAVY CONDENSA-TION IS COMMON)	***14***	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11	ONE COAT EURONAVY ES301K, 4-6 MILS WFT		***ONE STRIPE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 4-6 MILS WFT -- AND -- ONE FINAL COAT SHERWIN WILLIAMS DURA-PLATE UHS, 4-6 MILS WFT*** ***TOTAL SYSTEM 12 MILS MAX***	ONE STRIPE COAT EURONAVY ES301S, 4-6 MILS WFT -- AND -- ONE FINAL COAT EURONAVY ES301S, 4-6 MILS WFT TOTAL SYSTEM 12 MILS MAX		
FIRE ZONE BULKHEAD	***15***	SAME AS LINE ***12***	SAME AS LINE ONE		SAME AS LINE ***7***			
INTAKE VENT PLENUMS ***BETWEEN SKIN OF SHIP AND MOISTURE SEPARATORS***	***16***	NEAR WHITE METAL BLAST CLEAN, SSPC-SP-10	ONE COAT CREAM, SIGMA COATINGS EDGEGUARD PRIMER PDS NO. 5427, 5-6 MILS SEE NOTE (33)		ONE STRIPE COAT GREEN, SIGMA COATINGS EDGEGUARD TOPCOAT PDS NO. 5428, 8-12 MILS -- AND -- ONE COAT SIGMA COATINGS EDGEGUARD TOPCOAT PDS NO. 5428, 10-12 MILS SEE NOTE (33)			

STEEL SURFACES TABLE 3 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS AND LIGHT TRAPS	D BULKHEADS AND OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKING
LOCATION: INTAKE VENT PLENUMS ***BETWEEN SKIN OF SHIP AND MOISTURE SEPARATORS***	***17***	SAME AS LINE ***16***	ONE COAT GOLD, SHERWIN WILLIAMS PRIMER B622H220/B62V220 6-8 MILS SEE NOTE (33)		ONE STRIPE COAT DARK GRAY, SHERWIN WILLIAMS NOVA-PLATE TOPCOAT B62A220/B62V220, 8-12 MILS -- AND -- ONE COAT OFF-WHITE, SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, LIGHT GRAY B62A220/B62V220, 10-12 MILS SEE NOTE (33)	ONE STRIPE COAT ***DARK GRAY, SHERWIN WILLIAMS NOVA-PLATE TOPCOAT B62A220/B62V220, 8-12 MILS -- AND -- ONE COAT OFF-WHITE, SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, LIGHT GRAY B62A220/B62V220, 10-12 MILS*** ***SEE NOTE (33)***		
	18	***FOR HYDROBLASTED SURFACES USE INTERNATIONAL COURTAULDS MARINE PAINT COMPANY HYDROBLASTING STANDARD HB2-1/2L, OR NACE 5/SSPC-SP-12 CONDITION WJ-2L***	***ONE COAT EURONAVY ES301K, 4-6 MILS WFT***		***ONE STRIPE COAT EURONAVY ES301S, 4-6 MILS WFT -- AND -- ONE FINAL COAT EURONAVY ES301S, 4-6 MILS WFT TOTAL SYSTEM 8 MILS MIN 12 MILS MAX***	***ONE STRIPE COAT EURONAVY ES301S, 4-6 MILS WFT -- AND -- ONE FINAL COAT EURONAVY ES301S, 4-6 MILS WFT TOTAL SYSTEM 8 MILS MIN 12 MILS MAX***		
INTERIOR DECK SURFACES	***19***	SAME AS LINE ***12***	SAME AS LINE ***12***					
MIXING ROOM /UPTAKE SPACES WITH VENTS OR LOUVERS TO THE OUTSIDE ATMOSPHERE (BULKHEADS AND DECKS)	***20***	***NEAR WHITE METAL BLAST CLEAN, SSPC-SP-10***	***ONE COAT SIGMA COATINGS EDGEGUARD PRIMER 6-8 MILS***		***ONE STRIPE COAT SIGMA COATINGS EDGEGUARD TOPCOAT, 8-12 MILS***	***ONE COAT SIGMA COATINGS EDGEGUARD TOPCOAT, 8-12 MILS***		
	21	***SAME AS LINE 20***	***ONE COAT SHERWIN WILLIAMS PRIMER***		***ONE STRIPE COAT SHERWIN WILLIAMS NOVA-PLATE TOPCOAT 8-12 MILS***	***ONE COAT SHERWIN WILLIAMS NOVA-PLATE TOPCOAT 8-12 MILS***		

STEEL SURFACES TABLE 3 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS AND LIGHT TRAPS	D BULKHEADS AND OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKING
LOCATION: ***DECKS, INSIDE THE COAMING, UNDER AFFF PROPORTIONING UNITS***	***22***	***POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11*** ***SEE NOTE (32)***	***ONE COAT BELZONA CERAMIC METAL 4311, 12-18 MILS***			***ONE COAT BELZONA CERAMIC METAL 4311, 12-18 MILS***		
	23	***SAME AS LINE 22***	***ONE COAT CHESTERTON ARC 855N, 12-18 MILS***			***ONE COAT CHESTERTON ARC 855N, 12-18 MILS***		
	24	***SAME AS LINE 22***	***ONE COAT PALMER-ENECON CERAMALLOY CL+, 12-18 MILS DFT***			***ONE COAT PALMER-ENECON CERAMALLOY CL+, 12-18 MILS DFT***		

STEEL SURFACES TABLE 4	LINE	A SURFACE PREPARATION	B	C	D	E	F	G TOTAL
LOCATION: POTABLE WATER TANKS	1	NEAR WHITE METAL BLAST CLEAN, SSPC-SP-10 SEE NOTE (26)	ONE COAT INTERNATIONAL 5747/5748 GREEN, 4 MILS MAX	ONE COAT INTERNATIONAL 5753/5754 WHITE, 4 MILS MAX				TOTAL SYSTEM 6 MILS MIN 8 MILS MAX SEE NOTE (37)
	2	SAME AS LINE ONE	ONE COAT TANKGUARD NO. ONE, 2-4 MILS	ONE COAT TANKGUARD NO. 3, 2-4 MILS				TOTAL SYSTEM 6 MILS MIN 8 MILS MAX SEE NOTE (37)
	3	SAME AS LINE ONE	ONE COAT F-150 MIL-DTL-24441 TYPE-III, 2-4 MILS SEE NOTE (1)	ONE COAT F-156 MIL-DTL-24441 TYPE-III, 2-4 MILS SEE NOTE (1)	ONE COAT F-152 MIL-DTL-24441 TYPE-III, 2-4 MILS SEE NOTE (1)			TOTAL SYSTEM 8 MILS MIN 12 MILS MAX SEE NOTE (37)
	4	SAME AS LINE ONE	ONE COAT JOTUN SOVAPON 264-W-12, 4 MILS MAX	ONE COAT JOTUN SOVAPON 264-F-25, 4 MILS MAX				TOTAL SYSTEM 6 MILS MIN 8 MILS MAX SEE NOTE (37)

STEEL SURFACES TABLE 5	LINE	A SURFACE PREPARATION	B	C	D	E	F	G TOTAL
LOCATION: FEEDWATER TANKS ONLY	1	NEAR WHITE METAL BLAST CLEAN, SSPC-SP-10 SEE NOTES (26)&(29)	ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)		ONE COAT F-152 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)			TOTAL SYSTEM 8 MILS MIN 12 MILS MAX
	2	SAME AS LINE ONE	NSTM/CH-631, TABLE 631-8-5					

STEEL SURFACES TABLE 6	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F	G TOTAL
LOCATION: JP-5 TANKS, MOGAS TANKS, FUEL OIL SERVICE TANKS, DIESEL SERVICE TANKS, CONTAMI-NATED FUEL TANKS, FUEL COMP TANKS, FURL STORAGE TANKS EDGE RETENTIVE EXTENDED SERVICE LIFE 15-20 YEARS	1	NEAR WHITE METAL BLAST CLEAN, SSPC-SP-10 SEE NOTE (26)	ONE COAT CREAM, SIGMA COATINGS EDGEGUARD PRIMER, PDS NO. 5427, 6-8 MILS SEE NOTE (33)	ONE STRIPE COAT OFF-WHITE, SIGMA COATINGS EDGEGUARD TOPCOAT PDS NO. 5428, 8-12 MILS SEE NOTE (33)	ONE COAT GRAY, SIGMA COATINGS EDGEGUARD TOPCOAT PDS NO. 5428, 10-16 MILS SEE NOTE (33)			

STEEL SURFACES TABLE 6 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F	G TOTAL
LOCATION: JP-5 TANKS, MOGAS TANKS, FUEL OIL SERVICE TANKS, DIESEL SERVICE TANKS, CONTAMI-NATED FUEL TANKS, FUEL COMP TANKS, FURL STORAGE TANKS EDGE RETENTIVE SERVICE LIFE 10-12 YEARS	2	NEAR WHITE METAL BLAST CLEAN, SSPC-SP-10	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE			

STEEL SURFACES TABLE 6 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F	G TOTAL
LOCATION: JP-5 TANKS, MOGAS TANKS, FUEL OIL SERVICE TANKS, DIESEL SERVICE TANKS, CONTAMI-NATED FUEL TANKS, FUEL COMP TANKS, FURL STORAGE TANKS NORMAL SERVICE LIFE 5-7 YEARS	3	SAME AS LINE 2	ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)		ONE COAT F-152 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)			TOTAL SYSTEM 8 MILS MIN 12 MILS MAX
	4	SAME AS LINE 2	MIL-PRF-23236 SEE NOTE (10)	MIL-PRF-23236 SEE NOTE (10)				EACH COAT AND TOTAL SYSTEM: APPLY IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED DATA SHEETS SEE NOTE (11)
CHT/MSD TANKS	5	SAME AS LINE ONE	SAME AS LINE ONE	ONE STRIPE COAT GREEN, SIGMA COATINGS EDGEGUARD TOPCOAT PDS NO. 5428, 8-12 MILS SEE NOTE (33)	ONE COAT WHITE, SIGMA COATINGS EDGEGUARD TOPCOAT PDS NO. 5428, 10-16 MILS SEE NOTE (33)			
AFFF TANKS	6	SAME AS LINE ONE	ONE COAT F-150 MIL-DTL-24441, 2-4 MILS SEE NOTE (1)	ONE COAT F-151 MIL-DTL-24441, 2-4 MILS SEE NOTE (1)	ONE OR MORE COATS F-152 MIL-DTL-24441, 2-4 MILS SEE NOTE (1)			TOTAL SYSTEM 8 MILS MIN 12 MILS MAX

STEEL SURFACES TABLE 6 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F	G TOTAL
LOCATION: AFFF TANKS	7	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE 5	SAME AS LINE 5			
BALLAST TANKS, FLOODABLE VOIDS, (SUBSTRATE TEMPERATURE 50 DEGREES FAHRENHEIT AND ABOVE) EDGE RETENTIVE EXTENDED SERVICE LIFE 15-20 YEARS	8	SAME AS LINE ONE	ONE COAT SIGMA COATINGS SIGMAGUARD BT 5404 AMBER, 4-5 MILS SEE NOTE (33)	ONE STRIPE COAT SIGMA COATINGS SIGMAGUARD BT 5411-S674 GRAY, 8-12 MILS SEE NOTE (33)	ONE COAT SIGMA COATINGS SIGMAGUARD BT 5411-S674 AQUA, 10-12 MILS SEE NOTE (33)			TOTAL SYSTEM 14 MILS MIN 17 MILS MAX AREAS OF STRIPE COAT (CORNERS, EDGES AND WELDS) 22 MILS MIN 29 MILS MAX
	9	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS PRIMER, 4-8 MILS SEE NOTE (33)	ONE STRIPE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 8-12 MILS SEE NOTE (33)	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 10-12 MILS SEE NOTE (33)			TOTAL SYSTEM 14 MILS MIN 20 MILS MAX AREAS OF STRIPE COAT (CORNERS, EDGES AND WELDS) 22 MILS MIN 29 MILS MAX
	10	***INTENTIONALLY LEFT BLANK***						
INTENTIONALLY LEFT BLANK	11	***INTENTIONALLY LEFT BLANK***						
BALLAST TANKS, FLOODABLE VOIDS, (SUBSTRATE TEMPERATURE 50 DEGREES FAHRENHEIT AND ABOVE) EDGE RETENTIVE SERVICE LIFE 10-12 YEARS	12	SAME AS LINE 2	SAME AS LINE 8	SAME AS LINE 8	SAME AS LINE 8			SAME AS LINE 8
	13	SAME AS LINE 2	SAME AS LINE 9	SAME AS LINE 9	SAME AS LINE 9			SAME AS LINE 9
	14	***INTENTIONALLY LEFT BLANK***						

STEEL SURFACES TABLE 6 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F	G TOTAL
INTENTIONALLY LEFT BLANK	15	***INTENTIONALLY LEFT BLANK***						
LOCATION: BALLAST TANKS, FLOODABLE VOIDS, (SUBSTRATE TEMPERATURE 50 DEGREES FAHRENHEIT AND ABOVE) NORMAL SERVICE LIFE 5-7 YEARS	16	SAME AS LINE 2	SAME AS LINE 3		SAME AS LINE 3			SAME AS LINE 3
	17	SAME AS LINE 2	SAME AS LINE 4		SAME AS LINE 4			SAME AS LINE 4
LOCATION: BALLAST TANKS, FLOODABLE VOIDS (USE ONLY WHEN SUBSTRATE TEMPERATURE CANNOT BE MAINTAINED ABOVE 50 DEGREES FAHRENHEIT) NORMAL SERVICE LIFE 5-7 YEARS	18	SAME AS LINE 2	SAME AS LINE 3		SAME AS LINE 3			SAME AS LINE 3
	19	SAME AS LINE 2	MIL-PRF-23236 GRADE-A SEE NOTE (10)	MIL-PRF-23236 GRADE-A SEE NOTE (10)				SAME AS LINE 4

STEEL SURFACES TABLE 7	LINE	A SURFACE PREPARATION	B PRIMER	C PRIMER	D	E	F	G TOTAL
LOCATIONS: CHAIN LOCKERS	1	NEAR WHITE METAL BLAST CLEAN, SSPC-SP-10 SEE NOTE (29)	ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)		ONE COAT F-152 OR F-153 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)			TOTAL SYSTEM 8 MILS MIN 12 MILS MAX
	2	SAME AS LINE ONE	MIL-PRF-23236 SEE NOTE (10)	MIL-PRF-23236 SEE NOTE (10)				EACH COAT AND TOTAL SYSTEM: APPLY IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED DATA SHEETS SEE NOTE (11)
	3	SAME AS LINE ONE	ONE COAT INORGANIC ZINC PRIMER DOD-P-24246, 3-5 MILS -- OR -- NSTM/CH-631 PARAGRAPH 631-8.23.2.1	ONE MIST COAT F-150 MIL-DTL-24441, 1-2 MILS WFT SEE NOTE (1)	ONE COAT F-151 MIL-DTL-24441, 2-4 MILS SEE NOTE (1)	ONE COAT F-152 OR F-153 MIL-DTL-24441, 2-4 MILS SEE NOTES (1)		TOTAL SYSTEM 10 MILS MIN 16 MILS MAX
NON-FLOODABLE VOIDS	4	SAME AS LINE ONE	SAME AS LINE 3		SAME AS LINE 3			SAME AS LINE 3
	5	SAME AS LINE ONE	SAME AS LINE 4	SAME AS LINE 4				SAME AS LINE 4
	6	***INTENTIONALLY LEFT BLANK***						
	7	SAME AS LINE ONE	ONE COAT SIGMA COATINGS SIGMAGUARD BT 5404 AMBER, 4-5 MILS SEE NOTE (33)	ONE COAT SIGMA COATINGS SIGMAGUARD BT 5411-S674 AQUA, 10-12 MILS SEE NOTE (33)				TOTAL SYSTEM 14 MILS MIN 17 MILS MAX AREAS OF STRIPE COAT (CORNERS, EDGES AND WELDS) 22 MILS MIN 29 MILS MAX

STEEL SURFACES TABLE 7 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C PRIMER	D	E	F	G TOTAL
LOCATION: NON-FLOODABLE VOIDS	***8***	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS PRIMER, 4-8 MILS SEE NOTE (33)	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 10-12 MILS SEE NOTE (33)				TOTAL SYSTEM 14 MILS MIN 20 MILS MAX AREAS OF STRIPE COAT (CORNERS, EDGES AND WELDS) 22 MILS MIN 29 MILS MAX
	9	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 SEE NOTE (40)	2 COATS F-84 TT-P-645, ALKYD ZINC MOLYBDATE, 3 MILS TOTAL	ONE COAT INSIGNIA WHITE NO. 27875 (FED-STD-595), MIL-PRF-24635, 3 MILS				TOTAL SYSTEM 4.5 MILS MIN 6 MILS MAX
MACHINERY SPACES AND BILGES	***10***	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 SEE NOTES (29)&(40)	SAME AS LINE ONE		BILGE AREA: ONE COAT F-156 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)	ABOVE BILGE AREA: 2 COATS F-124 DOD-E-24607, 2-4 MILS		TOTAL SYSTEM 8 MILS MIN 12 MILS MAX
	11	SAME AS LINE ***10***	SAME AS LINE 2	SAME AS LINE 2		SAME AS LINE ***10***		SAME AS LINE 2
	12	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 -- OR -- FOR HYDROBLASTED SURFACES USE INTERNATIONAL COURTAULDS MARINE PAINT COMPANY HYDROBLASTING STANDARD HB2-1/2L, OR NACE 5/SSPC-SP-12 CONDITION WJ-2L SEE NOTE (40)	ONE COAT EURONAVY ES301K, 4-6 MILS WFT	ONE STRIPE COAT EURONAVY ES301S, 4-6 MILS WFT	FINAL COAT EURONAVY ES301S, 4-6 MILS WFT	SAME AS LINE 9		TOTAL SYSTEM 8 MILS MIN 12 MILS MAX

ALUMINUM SURFACES TABLE 8	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS) SEE NOTE (35)	1	NEAR WHITE METAL BLAST CLEAN, USING GARNET OR ALUMINUM OXIDE, MIL-A-21380 OR MIL-A-22262 -- OR -- FOR HYDROBLASTED SURFACES USE INTERNATIONAL COURTAULDS MARINE PAINT COMPANY HYDROBLASTING STANDARD HB2-1/2L, OR NACE 5/SSPC-SP-12 CONDITION WJ-2L SEE NOTE (4)	ONE COAT INTERNATIONAL FPL 274/FPA 327 RED, 5 MILS, WITHIN 4 HRS AFTER SURFACE PREPARATION	ONE COAT INTERNATIONAL FPJ 034/FPA 327 GRAY, 5 MILS SEE NOTE (4)	ONE COAT INTERNATIONAL BXA 380/BXA 381 DARK GRAY, 3-5 MILS	ONE COAT INTERNATIONAL BXA 816/BXA 821/BXA 822 GRAY, 6 MILS	ONE COAT INTERNATIONAL BXA 816/BXA 821/BXA 822 GRAY, 6 MILS	ONE COAT INTERNATIONAL BXA 819/BXA 821/BXA 822 BLACK
	2	TOUCH-UP OR REMOVE PAINT SYSTEM TO SOUND PRIMER BY LIGHT ABRASIVE BLAST CLEAN WITH BLACK WALNUT SHELLS CONFORMING TO A-A-1722 TYPE 2 -- AND -- SPOT CLEAN, NSTM/CH-631 PARAGRAPH 631-5.2.4.3 SEE NOTE (21)	FOR TOUCH-UP, OR FOLLOWING PAINT REMOVAL TO SOUND PRIMER, USE APPROPRIATE PAINT SYSTEM FROM LINE ONE					SAME AS LINE ONE

ALUMINUM SURFACES TABLE 8 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C PRIMER	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS) SEE NOTE (35) APPLIES TO PHM'S ONLY	3	ABRASIVE BLAST CLEAN, USING ALUMINUM OXIDE, MIL-A-21380 TYPE-ONE, OR BLACK WALNUT SHELLS CONFORMING TO A-A-1722 TYPE-2, TO SOUND PRIMER SEE NOTE (21)	FOR TOUCH-UP, OR FOLLOWING PAINT REMOVAL TO SOUND PRIMER, USE APPROPRIATE PAINT SYSTEM FROM LINE ONE					SAME AS LINE ONE
UNDERWATER HULL (STRUTS, RUDDERS, AND OTHER CAVITATION PRONE AREAS)	4	SAME AS LINE ONE	ONE COAT F-150 MIL-DTL-24441, 3-4 MILS DFT, WITHIN 4 HOURS AFTER SURFACE PREPARATION SEE NOTE (1)	2 COATS INTERNATIONAL PGA 750/751, 25 MILS/COAT FOR A TOTAL OF 50 MILS		ANTIFOULING PAINT SAME AS SURROUNDING HULL		
	5	SAME AS LINE ONE	ONE COAT AMERON BAR-RUST 235, RED, 3-4 MILS, WITHIN 4 HOURS AFTER SURFACE PREPARATION SEE NOTE (3)	SAME AS LINE 4		SAME AS LINE 4		
	6	SAME AS LINE ONE	ONE COAT INTERNATIONAL FPL 274/FPA 327, 3-4 MILS, WITHIN 4 HOURS AFTER SURFACE PREPARATION SEE NOTE (4)	SAME AS LINE 4		SAME AS LINE 4		

ALUMINUM SURFACES TABLE 9	LINE	A SURFACE PREPARATION	B PRIMER	C	D TOPCOAT	E HORIZONTAL SURFACES DECKS AND FITTINGS	F MASTS AND STACKS EXPOSED TO GASES	G VERTICAL SURFACES
LOCATION: EXTERIOR SURFACES ABOVE BOOTTOP	1	ABRASIVE BLAST CLEAN, USING GARNET OR ALUMINUM OXIDE, MIL-A-21380 OR MIL-A-22262 -- OR -- BLACK WALNUT SHELLS CONFORMING TO A-A-1722 TYPE-2 -- AND -- SPOT CLEAN, NSTM/CH-631 PARAGRAPH 631-5.2.4.3 -- OR -- FOR HYDROBLASTED SURFACES USE INTERNATIONAL COURTAULDS MARINE PAINT COMPANY HYDROBLASTING STANDARD HB2-1/2L, OR NACE 5/SSPC-SP-12 CONDITION WJ-2L SEE NOTES (21)(22)&(29)	ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS, WITHIN 4 HRS AFTER SURFACE PREPARATION SEE NOTES (1)&(29)	***ONE COAT F-152 MIL-DTL-24441 TYPE-IV, 4-6 MILS*** ***SEE NOTES (1)&(29)***		ONE COAT DECK GRAY NO. 26008 (FED-STD-595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) 3 MILS SEE NOTE (8)	ONE COAT HAZE GRAY NO. 26270 (FED-STD-595) MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) 3 MILS -- OR -- MIL-E-24763 TYPE-II CLASS-2, 3 MILS -- OR -- INTERNATIONAL INTERLAC ONE PRODUCT NO. 45587A HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN)	ONE COAT HAZE GRAY NO. 26270 (FED-STD-595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS -- OR -- MIL-E-24763, TYPE-II, CLASS-2 3 MILS, PAINT DESIGNATIONS AND MARKINGS MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) -- OR -- INTERNATIONAL INTERLAC ONE, PRODUCT NO. 45587A, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN) -- OR -- NILES CHEMICAL PAINT CO. N-6605 (LOW SOLAR ABSORPTION ONLY) IN LIEU OF WHITE USE LT GRAY NO. 26373 (FED-STD-595); IN PLACE OF BLACK USE OCEAN GRAY NO. 26173 (FED-STD-595)
	2	SAME AS LINE ONE		2 COATS F-84 TT-P-645, ALKYD ZINC MOLYBDATE, 3 MILS TOTAL		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE

ALUMINUM SURFACES TABLE 9 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D TOPCOAT	E HORIZONTAL SURFACES DECKS AND FITTINGS	F MASTS AND STACKS EXPOSED TO GASES	G VERTICAL SURFACES
LOCATION: WALK AREAS, ALL DECK AREAS OTHER THAN HANGAR DECKS, FLIGHT DECKS, AND VERTICAL REPLENISH-MENT DECK AREAS	3	NEAR WHITE METAL BLAST CLEAN, SSPC-SP-10, USING GARNET OR ALUMINUM OXIDE, MIL-A-21380 OR MIL-A-22262 -- OR -- BLACK WALNUT SHELLS CONFORMING TO A-A-1722 TYPE-2 -- OR -- FOR HYDROBLASTED SURFACES USE INTERNATIONAL COURTAULDS MARINE PAINT COMPANY HYDROBLASTING STANDARD HB2-1/2L, OR NACE 5/SSPC-SP-12 CONDITION WJ-2L SEE NOTES (21)(22)	***STRIPE COAT*** PROPRIETARY NON-SKID PRIMER, LISTED ON THE QPL FOR MIL-PRF-24667 SEE NOTE (7)	***PROPRIETARY NON-SKID PRIMER, LISTED ON THE QPL FOR MIL-PRF-24667*** ***SEE NOTE (7)***		ONE COAT MIL-PRF-24667 TYPE-I, II OR III COMP-G -- OR -- ONE COAT MIL-PRF-24667 TYPE-IV SEE NOTE (19)		
	4	***SAME AS LINE 3***	***ROPRIETARY NON-SKID PRIMER, LISTED ON THE QPL FOR MIL-PRF-24667*** ***SEE NOTE (7)***	***STRIPE COAT PROPRIETARY NON-SKID PRIMER, LISTED ON THE QPL FOR MIL-PRF-24667*** ***SEE NOTE (7)***	***ROPRIETARY NON-SKID PRIMER, LISTED ON THE QPL FOR MIL-PRF-24667*** ***SEE NOTE (7)***	***SAME AS LINE 3***		
HANGAR DECKS, FLIGHT DECKS, AND VERTICAL REPLENISH-MENT DECK AREAS	***5***	SAME AS LINE 3	SAME AS LINE 3	***SAME AS LINE 3***		ONE COAT DARK GRAY, MIL-PRF-24667 TYPE-I COMP-G		
	6	***SAME AS LINE 3***	***SAME AS LINE 4***	***SAME AS LINE 4***	***SAME AS LINE 4***	***SAME AS LINE 5***		

ALUMINUM SURFACES TABLE 9 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D TOPCOAT	E HORIZONTAL SURFACES DECKS AND FITTINGS	F MASTS AND STACKS EXPOSED TO GASES	G VERTICAL SURFACES
LOCATION: INTERIOR VERTICAL SURFACES	***7***	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11	ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS APPLY TOPCOAT WHITE F-150 IS TILL TACKY. IF 150 IS HARD, USE A TACKY COAT PRIOR TO TOPCOAT SEE NOTES (1)&(29)	ONE COAT F-151 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)	2 COATS DOD-E-24607, 2-4 MILS -- OR -- 2 COATS MIL-PRF-24596, WATER BASED INTERIOR LATEX, 5 MILS MAX -- OR -- 2 COATS NAVY FORMULA 25A WATER BASED FIRE RETARDANT COATING, 5 MILS MAX			
VARIOUS	***8***	SAME AS LINE ***7***	ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTE (1)					

ALUMINUM SURFACES TABLE 10	LINE	A SURFACE PREPARATION	B PRIMER	C LIGHT TRAPS	D BULKHEADS AND OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKING
LOCATION: INTERIOR COMPART-MENTS COLORS TO BE SPECIFIED BY TYCOM OR SHIP'S COMMANDING OFFICER PER NSTM/CH-631 PARAGRAPH 631-8.23.4	1	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11, USING STAINLESS STEEL WIRE BRUSHES, STAINLESS STEEL PADS OR ABRASIVE SANDING DISCS ANSI/BHMA B74.18 SEE NOTE (28)	2 COATS F-84 TT-P-645, ALKYD ZINC MOLYBDATE, 3 MILS	BULKHEADS, OVERHEADS AND DECKS; ONE COAT BLACK NO. 37038 (FED-STD-595), MIL-PRF-24635, 3 MILS	2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX, 5 MILS MAX -- OR -- 2 COATS NAVY FORMULA 25A, WATER-BASED FIRE RETARDANT COATING 5 MILS MAX SEE NOTE (9)	ONE COAT BLACK NO. 27038 (FED-STD-595), MIL-PRF-24635, 3 MILS (TO DECKS NOT RECEIVING COVERING)	HULL, VENTILATION AND PIPING INSULATION 2 COATS SAME AS BULKHEADS AND OVERHEADS SEE NOTE (41)	FOR COMPARTMENT PIPING VENTILATION SEE NOTE (18)
	2	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	2 COATS DOD-E-24607, 3 MILS TOTAL	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	3	SAME AS LINE ONE	ONE COAT F-150, MIL-DTL-24441, 2-4 MILS APPLY TOPCOAT WHILE F-150 IS STILL TACKY. IF F-150 IS HARD, USE A TACK COAT PRIOR TO TOPCOAT SEE NOTES (1)&(38)	SAME AS LINE ONE	SAME AS LINE 2	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE

ALUMINUM SURFACES TABLE 10 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C LIGHT TRAPS	D BULKHEADS AND OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKING
LOCATION: POTABLE WATER TANKS	4	NEAR WHITE METAL BLAST CLEAN, SSPC-SP-10 TO ACHIEVE 1.5 TO 2 MILS SURFACE PROFILE ANCHOR PATTERN, USING GARNET OR ALUMINUM OXIDE, MIL-A-21380 OR MIL-A-22262	SAME AS TABLE 4, LINE ONE THROUGH 4, COLUMNS B, C, D AND G					
INTENTIONALLY LEFT BLANK	5	***INTENTIONALLY LEFT BLANK***						
	6	***INTENTIONALLY LEFT BLANK***						
FIRE ZONE BULKHEAD	7	SAME AS LINE ONE	ONE COAT F-150, MIL-DTL-24441, 2-4 MILS APPLY TOPCOAT WHILE F-150 IS STILL TACKY. IF F-150 IS HARD, USE A TACK COAT PRIOR TO TOPCOAT SEE NOTE (1)		2 COATS THERMAL INSULATING (INTUMESCENT) PAINT, MIL-PRF-46081, 5 MILS/COAT			
WET SPACES (WASH ROOMS, WATER CLOSETS, SHOWER STALLS, GALLEYS, SCULLERIES, AND STOREROOMS WHERE HEAVY CONDENSATION IS COMMON)	8	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 SEE NOTES (28)(29)&(40)	***ONE COAT F-150, MIL-DTL-24441 TYPE IV, 4-6 MILS*** ***APPLY TOPCOAT WHILE F-150 IS STILL TACKY. IF F-150 IS HARD, USE A TACK COAT PRIOR TO TOPCOAT*** ***SEE NOTES (1)&(29)***			***ONE COAT F-151 MIL-DTL-24441 TYPE-IV, 4-6 MILS*** ***(TO DECKS NOT RECEIVING COVERING)*** ***SEE NOTES (1)&(29)***	SAME AS LINE ONE	SAME AS LINE ONE
	9	SAME AS LINE 8	***MIL-PRF-23236***		***MIL-PRF-23236***	***MIL-PRF-23236***	SAME AS LINE ONE	SAME AS LINE ONE

ALUMINUM SURFACES TABLE 10 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C LIGHT TRAPS	D BULKHEADS AND OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKING
LOCATION: WET SPACES (WASH ROOMS, WATER CLOSETS, SHOWER STALLS, GALLEYS, SCULLERIES, AND STOREROOMS WHERE HEAVY CONDENSA-TION IS COMMON)	10	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11	ONE COAT EURONAVY ES301K, 4-6 MILS WFT		***ONE STRIPE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 4-6 MILS WFT -- AND -- ONE FINAL COAT SHERWIN WILLIAMS DURA-PLATE UHS, 4-6 MILS WFT*** ***TOTAL SYSTEM 12 MILS MAX***	ONE STRIPE COAT EURONAVY ES301S, 4-6 MILS WFT -- AND -- ONE FINAL COAT EURONAVY ES301S, 4-6 MILS WFT TOTAL SYSTEM 12 MILS MAX		
MACHINERY SPACES AND BILGES	11	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 -- OR -- FOR HYDROBLASTED SURFACES USE INTERNATIONAL COURTAULDS MARINE PAINT COMPANY HYDROBLASTING STANDARD HB2-1/2L, OR NACE 5/SSPC-SP-12 CONDITION WJ-2L	SAME AS LINE 10		ONE STRIPE COAT EURONAVY ES301S, 4-6 MILS WFT -- AND -- ONE FINAL COAT EURONAVY ES301S, 4-6 MILS WFT	ABOVE BILGE AREA; 2 COATS F-124 DOD-E-24607, 2-4 MILS		TOTAL SYSTEM 8 MILS MIN 12 MILS MAX
	12	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 SEE NOTE (29)	ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)		ABOVE BILGE AREA: 2 COATS F-124, DOD-E-24607, 2-4 MILS	BILGE AREA: ONE COAT F-156 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)		TOTAL SYSTEM 8 MILS MIN 12 MILS MAX

ALUMINUM SURFACES TABLE 10 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C LIGHT TRAPS	D BULKHEADS AND OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKING
LOCATION: MACHINERY SPACES AND BILGES	13	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11	SAME AS LINE 6		***MIL-PRF-23236*** ***SEE NOTE (10)***	SAME AS LINE 12		EACH COAT AND TOTAL SYSTEM: APPLY IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED DATA SHEETS SEE NOTE (11)
INTAKE VENT PLENUMS, BETWEEN SKIN OF SHIP AND MOISTURE SEPARATORS	14	NEAR WHITE METAL BLAST CLEAN, SSPC-SP-10	ONE COAT CREAM, SIGMA COATINGS EDGEGUARD PRIMER PDS NO. 5427, 5-6 MILS SEE NOTE (33)		ONE STRIPE COAT GREEN, SIGMA COATINGS EDGEGUARD TOPCOAT PDS NO. 5428, 8-12 MILS -- AND -- ONE COAT GRAY, SIGMA COATINGS EDGEGUARD TOPCOAT PDS NO. 5428, 10-12 MILS SEE NOTE (33)	***ONE STRIPE COAT GREEN, SIGMA COATINGS EDGEGUARD TOPCOAT PDS NO. 5428, 8-12 MILS*** ***-- AND --*** ***ONE COAT GRAY, SIGMA COATINGS EDGEGUARD TOPCOAT PDS NO. 5428, 10-12 MILS*** ***SEE NOTE (33)***		
	15	SAME AS LINE ***14***	ONE COAT GOLD, SHERWIN WILLIAMS PRIMER B622H220/B62V220 6-8 MILS SEE NOTE (33)		ONE STRIPE COAT DARK GRAY, SHERWIN WILLIAMS NOVA-PLATE TOPCOAT B62A220/B62V220, 8-12 MILS -- AND -- ONE COAT OFF-WHITE, SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, LIGHT GRAY B62A220/B62V220, 10-12 MILS SEE NOTE (33)	***ONE STRIPE COAT DARK GRAY, SHERWIN WILLIAMS NOVA-PLATE TOPCOAT B62A220/B62V220, 8-12 MILS*** ***-- AND --*** ***ONE COAT OFF-WHITE, SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, LIGHT GRAY B62A220/B62V220, 10-12 MILS*** ***SEE NOTE (33)***		

ALUMINUM SURFACES TABLE 10 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C LIGHT TRAPS	D BULKHEADS AND OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKING
LOCATION: INTAKE VENT PLENUMS, BETWEEN SKIN OF SHIP AND MOISTURE SEPARATORS	***16***	***FOR HYDROBLASTED SURFACES USE INTERNATIONAL COURTAULDS MARINE PAINT COMPANY HYDROBLASTING STANDARD HB2-1/2L, OR NACE 5/SSPC-SP-12 CONDITION WJ-2L***	***SAME AS LINE 11***		***SAME AS LINE 11***	***SAME AS LINE 11***		***SAME AS LINE 11***
MIXING ROOMS /UPTAKE SPACES WITH VENTS OR LOUVERS TO THE OUTSIDE ATMOSPHERE (BULKHEADS AND DECKS)	***17***	***NEAR WHITE METAL BLAST CLEAN, SSPC-SP-10***	***ONE COAT SIGMA COATINGS EDGEGUARD PRIMER 6-8 MILS***		***ONE STRIPE COAT SIGMA COATINGS EDGEGUARD TOPCOAT, 8-12 MILS -- AND -- ONE COAT SIGMA COATINGS EDGEGUARD TOPCOAT, 10-12 MILS***	***ONE STRIPE COAT SIGMA COATINGS EDGEGUARD TOPCOAT, 8-12 MILS -- AND -- ONE COAT SIGMA COATINGS EDGEGUARD TOPCOAT, 10-12 MILS***		
	18		***ONE COAT SHERWIN WILLIAMS PRIMER, 6-8 MILS***		***ONE STRIPE COAT SHERWIN WILLIAMS NOVA-PLATE TOPCOAT, 8-12 MILS -- AND -- ONE COAT SHERWIN WILLIAMS NOVA-PLATE TOPCOAT, 10-12 MILS***	***ONE STRIPE COAT SHERWIN WILLIAMS NOVA-PLATE TOPCOAT, 8-12 MILS -- AND -- ONE COAT SHERWIN WILLIAMS NOVA-PLATE TOPCOAT, 10-12 MILS***		

WOOD SURFACES TABLE 11	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL	1	BRUSH-OFF BLAST CLEAN TO REMOVE LOOSE AND DETERIORATED COATINGS -- OR -- HIGH PRESSURE WASH TO REMOVE MARINE GROWTH AND LOOSE PAINT SEE NOTE (20)	KEEL TO 6 INCHES ABOVE UPPER BOOTTOP LIMIT ONE COAT F-150 MIL-DTL-24441, 2-3 MILS SEE NOTE (1)			2 COATS F-121A MIL-P-15931, 2-3 MILS/COAT TO UNDERWATER HULL, APPENDAGES, SEA CHESTS AND STRAINER PLATES UP TO BOTTOM OF BOOTTOPPING AREA MIN DRYING TIME OF 6 HRS BETWEEN COATS OF F-121A MIN DRYING TIME OF 24 HRS SHALL BE ALLOWED BETWEEN LAST COAT AND UNDOCKING OF SHIP PUTTY SCREW HEADS, WHERE COMPOUND IS MISSING, WITH CAULKING COMPOUND CONFORMING TO TT-C-1796 AFTER FIRST COAT OF F-121A SEE NOTE (27)	3 COATS F-129A MIL-P-15931, 2-3 MILS/COAT MIN DRYING TIME OF 6 HRS BETWEEN COATS OF F-129A	ONE COAT LT GRAY NO. 26373 (FED-STD-595) MIL-PRF-24635, (LOW SOLAR ABSORPTION ONLY) TO BOOTTOPPING AND BELLOW, 3-4 MILS ONE COAT OCEAN GRAY NO. 26173 (FED-STD-595) MIL-PRF-24635, (LOW SOLAR ABSORPTION ONLY) ABOVE BOOTTOPPING, 3-4 MILS MIN DRYING TIME OF 24 HRS SHALL BE ALLOWED BETWEEN LAST COAT AND UNDOCKING OF SHIP

WOOD SURFACES TABLE 12	LINE	A SURFACE PREPARATION	B PRIMER	C DECKS. MASTS AND SPARS	D ALL OTHER SURFACES	E ACCOMMODATION LADDER	F	G IDENTIFICATION MARKINGS
LOCATION: EXTERIOR SURFACE ABOVE BOOTTOP	1	HAND TOOL CLEAN -- OR -- POWER TOOL CLEAN TO REMOVE DETERIORATED COATINGS	ONE COAT F-150 MIL-DTL-24441 SEE NOTE (1)	ONE COAT DECK GRAY NO. 26008 (FED-STD-595) MIL-PRF-24635, (LOW SOLAR ABSORPTION ONLY) 3 MILS -- OR -- ONE COAT BLACK NO. 37038 (FED-STD-595) MIL-PRF-24635, 3 MILS	ONE COAT HAZE GRAY NO. 26270 (FED-STD-595) MIL-PRF-24635, (LOW SOLAR ABSORPTION ONLY) 3 MILS	4 COATS NAVSEA APPROVED SPAR VARNISH, 6 MILS MIN		PAINT DESIGNATIONS AND MARKINGS MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) -- OR -- INTERNATIONAL INTERLAC ONE, PRODUCT NO. 45587A, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN) -- OR -- NILES CHEMICAL PAINT CO. N-6605 (LOW SOLAR ABSORPTION ONLY) IN LIEU OF WHITE USE LT GRAY NO. 26373 (FED-STD-595); IN PLACE OF BLACK USE OCEAN GRAY NO. 26173 (FED-STD-595)

WOOD SURFACES TABLE 13	LINE	A SURFACE PREPARATION	B PRIMER	C	D BULKHEADS AND OVERHEADS	E	F	G DESIGNATION AND MARKINGS
LOCATION: INTERIOR SURFACE	1	HAND TOOL CLEAN -- OR -- POWER TOOL CLEAN TO BARE WOOD OR TIGHTLY ADHERING INTACT PAINT	2 COATS F-84 TT-P-645 ALKYD ZINC MOLYBDATE, 3 MILS		2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX, 5 MILS MAX -- OR -- 2 COATS OF NAVY FORMULA 25A, WATER-BASED FIRE RETARDANT COATING 5 MILS MAX SEE NOTES (9)&(17)			FOR COMPARTMENT PIPING AND VENTILATION SEE NOTE (18)
	2	SAME AS LINE ONE	ONE COAT F-150 MIL-DTL-24441 SEE NOTE (1)		2 COATS DOD-E-24607, 3 MILS SEE NOTES (17)&(38)			SAME AS LINE ONE

VARIOUS LOCATIONS TABLE 14	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F TOTAL SYSTEM	G DESIGNATION AND MARKINGS
LOCATION: UNHEATED PIPING, FITTINGS, VALVES	1	HAND TOOL CLEAN, SSPC-SP-2 -- OR -- POWER TOOL CLEAN, SSPC-SP-3 SEE NOTE (40)	ONE COAT F-84 TT-P-645, ALKYD ZINC MOLYBDATE, 1.5 MILS	ONE COAT F-84 TT-P-645, ALKYD ZINC MOLYBDATE, 1.5 MILS	2 COATS OF ***BILGE*** FINISH COAT TO MATCH SURROUNDING ***SURFACES, INCLUDING LAGGED SURFACES***			ONE COAT MIL-PRF-24635, 1.5 MILS, FOR COLOR CODED SYSTEMS
	2	SAME AS LINE ONE	ONE COAT F-150 MIL-DTL-24441, 3 MILS SEE NOTE (1)		SAME AS LINE ONE			
UNHEATED FERROUS MACHINERY EXTERNAL SURFACES	3	SAME AS LINE ONE	SAME AS LINE ONE		ONE COAT F-111 MIL-E-15090, 1.5 MILS -- OR -- ONE COAT BULKHEAD GRAY NO. 26307 (FED-STD-595), MIL-PRF-24635, 3 MILS			
MACHINERY, GAGEBOARDS SEE NOTE (39)	4	SAME AS LINE ONE	SAME AS LINE ONE	2 COATS F-111 MIL-E-15090, 3 MILS TOTAL -- OR -- ONE COAT BULKHEAD GRAY NO. 26307 (FED-STD-595), MIL-PRF-24635, 3 MILS				
FERROUS SHEET METAL SURFACES (UNHEATED, EXTERNAL AND INTERNAL)	5	SAME AS LINE ONE	SAME AS LINE ONE	ONE FINISH COAT TO MATCH SURROUNDING COMPARTMENT OR AREA				

VARIOUS LOCATIONS TABLE 14 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F TOTAL SYSTEM	G DESIGNATION AND MARKINGS
LOCATION: UNINSULATED SIDE OF BULKHEADS OR SHELL ADJACENT TO SEA OR AIR CONDITIONED BOUNDARY	6	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11	SAME AS LINE 2	ONE COAT F-151 MIL-DTL-24441, 3 MILS	F-34, DOD-15144, 5 MILS AS BINDER SEE NOTE (36)	VERMICULITE, ASTM-C516 TYPE-I GRADE-4, SPRAYED	F-124 DOD-E-24607, 2-4 MILS	
	7	SAME AS LINE 6	ONE COAT HEMPADUR 4515-5063AC, 5 MILS	ONE COAT HEMPADUR 617US, 50-60 MILS				
BOILERS AND ECONOMIZERS (EXCEPT PARTS USED FOR HEAT TRANSFER), MACHINERY CASINGS, FERROUS SHEET METAL AND PIPING SURFACES EXCEEDING 125 DEGREES FAHRENHEIT	8	SAME AS LINE ONE	2 COATS AMECOAT 892HS, HEAT RESISTANT PAINT, 3 MILS TOTAL SEE NOTE (39)		SAME AS LINE ONE			
ELECTRICAL EQUIPMENT, ELECTRONIC EQUIPMENT AND CABLES	9	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE 4				

VARIOUS LOCATIONS TABLE 14 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F TOTAL SYSTEM	G DESIGNATION AND MARKINGS
CABLES, INTERIOR (OTHER THAN PVC, LOW SMOKE)	10	SAME AS LINE ONE	2 COATS F-84 TT-P-645, ALKYD ZINC MOLYBDATE, 3 MILS TOTAL	2 COATS NAVY FORMULA 25A, WATER-BASED FIRE RETARDANT COATING -- OR -- 2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX -- OR -- ONE COAT OCEAN CHEMICAL CO. OCEAN 634 AND 2 COATS OCEAN 9788	2 COATS DOD-E-24607 CHLORINATED ALKYD (FOR COLOR MATCH IF REQUIRED)			
CABLES, EXTERIOR (OTHER THAN PVC, LOW SMOKE)	11	SAME AS LINE ONE	SAME AS LINE ONE	ONE COAT MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) TO MATCH SURROUNDING AREA				
ELECTRICAL/ ELECTRONIC CABLES (PVC AND LOW SMOKE)	12	SAME AS LINE ONE	2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX -- OR -- 2 COATS OF NAVY FORMULA 25A, WATER-BASED FIRE RETARDANT COATING -- OR -- ONE COAT OCEAN CHEMICAL CO. OCEAN 634 AND 2 COATS OCEAN 9788		SAME AS LINE 10			

VARIOUS LOCATIONS TABLE 14 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F TOTAL SYSTEM	G DESIGNATION AND MARKINGS
ANCHOR (SURFACE SHIP BOW ANCHORS) FOR ANCHORS BELOW LOWER BOOTTOP LIMIT SEE NOTE (13)	13	NEAR WHITE METAL BLAST CLEAN, SSPC-SP-10 SEE NOTES (14)&(29)	ONE COAT F-150 MIL-STD-24441 TYPE-IV, 4-6 MILS -- OR -- ONE COAT MIL-PRF-23236, 3-5 MILS SEE NOTES (1)&(29)	ONE COAT F-150 MIL-STD-24441 TYPE-IV, 4-6 MILS -- OR -- ONE COAT MIL-PRF-23236, 3-5 MILS SEE NOTES (1)&(29)	ONE COAT HAZE GRAY NO. 26270 (FED-STD-595) MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) 3 MILS		TOTAL SYSTEM 7 MILS MIN 11 MILS MAX	
ANCHOR CHAIN	14	COMMERCIAL BLAST CLEAN, SSPC-SP-6 SEE NOTES (14)&(16)	ONE COAT AMERON PSX 700 TO HOLD BLAST, 1-2 MILS -- OR -- ONE COAT F-150 MIL-DTL-24441, 2-4 MILS SEE NOTES (1)&(15)	ONE COAT AMERON PSX 700, 4-5 MILS -- OR -- ONE COAT F-150 MIL-DTL-24441, 2-4 MILS SEE NOTES (1)&(15)	ONE COAT AMERON PSX 700, 4-5 MILS -- OR -- 2 COATS BLACK NO. 27038 (FED-STD-595) MIL-PRF-24635 3 MILS/COAT, -- OR -- 2 COATS BLACK TT-V-51, 3 MILS/COAT SEE NOTE (15)		TOTAL SYSTEM 10 MILS MIN 12 MILS MAX	AMERON PSX 700 SEE NOTE (15)
GALVANIZED SURFACES	15	BRUSH-OFF BLAST CLEAN, SSPC-SP-7 -- OR -- POWER TOOL CLEAN SSPC-SP-3 SEE NOTES (14)&(29)	ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)		ONE COAT F-152, F-153 OR F-156 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)		TOTAL SYSTEM 8 MILS MIN 12 MILS MAX	
EXHAUST PIPE EXTERIOR	16	NEAR WHITE METAL BLAST CLEAN SSPC-SP-10		ONE COAT HAZE GRAY NO. 26270 (FED-STD-595) AMERCOAT 892HS, 2-3 MILS			TOTAL SYSTEM NOT TO EXCEED 5 MILS	

VARIOUS LOCATIONS TABLE 14 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F TOTAL SYSTEM	G DESIGNATION AND MARKINGS
LOCATION: PASSIVE COUNTER-MEASURES SYSTEM (PCMS) (REPAIRS)	17	STRIP PAINT, USING "PEEL-AWAY-7" SEE RIM 05T1-99, REPAIR/INSTALLA-TION METHODS			ONE COAT HAZE GRAY MIL-E-24763 ***(LOW SOLAR ABSORPTION ONLY)***, 3-5 MILS WFT (TOPCOAT OF PCMS)			
PCMS (NEW INSTALLA-TION)	18	NEAR WHITE METAL BLAST CLEAN, SSPC-SP-10 -- OR -- POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11	ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)	ONE COAT F-151 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)	SAME AS LINE 17			
INTERIOR DECK PASSAGEWAYS NOT RECEIVING DECK COVERINGS ***SEE NOTE (12)***	***19***	***SAME AS LINE 18***	***ONE COAT AMERON AMERCOAT 238, 10 MILS***	***ONE COAT AMERON AMERCOAT 238, 10 MILS***				
	20	***SAME AS LINE 18***	***SIGMA COATINGS SIGMAGUARD CFS GLASS FLAKE 5487 10 MILS***	***SIGMA COATINGS SIGMAGUARD CFS GLASS FLAKE 5487 10 MILS***				

STEEL SURFACES TABLE 15	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F	G TOTAL SYSTEM
LOCATION: STRUCTURE AND FITTINGS BELOW DECK PLATES IN MACHINERY SPACES (BILGES, BILGE WELLS AND SUMPS) FOR RECOAT OR TOUCH-UP OF EXISTING COATING SYSTEMS ONLY	1	***POWER TOOL CLEAN TO BARE METAL SSPC-SP-11 -- OR -- FOR HYDROBLASTED SURFACES USE INTERNATIONAL COURTAULDS MARINE PAINT COMPANY HYDROBLASTING STANDARD HB2-1/2L, OR NACE 5/SSPC-SP-12 CONDITION WJ-2L*** ***SEE NOTES (29)&(40)***	ONE COAT F-150 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)		ONE COAT F-156 MIL-DTL-24441 TYPE-IV, 4-6 MILS SEE NOTES (1)&(29)			TOTAL SYSTEM 8 MILS MIN 12 MILS MAX
FOR COMPLETE BILGE COATING, SEE TABLE 7 LINES 9, 10 OR 11	2	SAME AS LINE ONE	MIL-PRF-23236 SEE NOTE (10)					EACH COAT AND TOTAL SYSTEM: APPLY IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED DATA SHEETS SEE NOTE (11)

GRP FIBERGLASS SURFACES TABLE 16	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO TOP OF BOOTTOP) SERVICE LIFE FOR 2 YEARS OR LESS	1	HIGH PRESSURE WASH TO REMOVE MARINE GROWTH AND LOOSE PAINTS -- OR -- TOUCH-UP OR REMOVE PAINT SYSTEM TO SOUND PRIMER BY LIGHT ABRASIVE BLAST CLEAN WITH BLACK WALNUT SHELLS CONFORMING TO A-A-1722 TYPE 2 -- AND -- SPOT CLEAN, NSTM/CH-631 PARAGRAPH 631-5.2.6 SEE NOTE (21)	ONE MIST COAT F-150 MIL-DTL-24441, ONE MIL WFT SEE NOTE (1)	ONE COAT F-151 MIL-DTL-24441, 3-4 MILS SEE NOTE (1)		2 COATS F-121A MIL-P-15931, 2 MILS/COAT AND 4 MILS MIN TOTAL MIN DRYING TIME OF 24 HRS SHALL BE ALLOWED BETWEEN LAST COAT AND UNDOCKING OF SHIP SEE NOTE (27)	2 COATS F-129A MIL-P-15931, 2 MILS/COAT AND 4 MILS MIN TOTAL MIN DRYING TIME OF 24 HRS SHALL BE ALLOWED BETWEEN LAST COAT AND UNDOCKING OF SHIP SEE NOTE (27)	ONE COAT LT GRAY NO. 26373 (FED-STD-595) MIL-PRF-24635, TO BOOTTOP AND BELOW ONE COAT OCEAN GRAY NO. 26173 (FED-STD-595) MIL-PRF-24635, TO ABOVE BOOTTOP
UNDERWATER HULL (KEEL TO TOP OF BOOTTOP) 5 YEARS SERVICE LIFE	2	SAME AS LINE ONE	ONE MIST COAT INTERNATIONAL FPL 274/FPA 327 -- OR -- ONE MIST COAT KHA303/KHA062 SEE NOTE (4)	ONE COAT INTERNATIONAL FPJ 034/FPA 327, 5 MILS -- OR -- ONE COAT KHA302/KHA062, 5 MILS SEE NOTE (4)		ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED, 5 MILS/COAT SEE NOTES (2)&(6)	2 COATS BRA 642 BLACK, 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	3	SAME AS LINE ONE	ONE MIST COAT AMERON ***AMERCOAT*** 235	ONE COAT AMERON ***AMERCOAT*** 235, 5 MILS		ONE COAT ABC 3 BLACK, ONE COAT ABC 3 RED, 5 MILS/COAT SEE NOTES (2)&(6)	2 COATS ABC 3 BLACK, 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE

GRP FIBERGLASS SURFACES TABLE 16 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO TOP OF BOOTTOP) 5 YEARS SERVICE LIFE	4	SAME AS LINE ONE	ONE COAT HEMPADUR 4515-5063AC RED, 5 MILS SEE NOTE (5)	ONE COAT HEMPADUR 4515-1148AC GRAY 5 MILS SEE NOTE (5)		ONE COAT OLYMPIC 7660-1999AF BLACK, ONE COAT OLYMPIC 7660-5111AF RED, 5 MILS/COAT SEE NOTES (2)&(6)	2 COATS OLYMPIC 7660-1999AF BLACK, 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
UNDERWATER HULL (KEEL TO TOP OF BOOTTOP) 7 YEARS SERVICE LIFE	5	SAME AS LINE ONE	SAME AS LINE 2	SAME AS LINE 2		ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED, 6 MILS/COAT SEE NOTES (2)&(6)	2 COATS BRA 642 BLACK, 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	6	SAME AS LINE ONE	SAME AS LINE 3	SAME AS LINE 3		ONE COAT ABC 3 BLACK, ONE COAT ABC 3 RED, 6 MILS/COAT SEE NOTES (2)&(6)	2 COATS ABC 3 BLACK, 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	7	SAME AS LINE ONE	SAME AS LINE 4	SAME AS LINE 4		ONE COAT OLYMPIC 7660-1999AF BLACK, ONE COAT OLYMPIC 7660-5111AF RED, 6 MILS/COAT SEE NOTES (2)&(6)	2 COATS OLYMPIC 7660-1999AF BLACK, 6 MILS/COAT SEE NOTES (2)&(6)	SAME AS LINE ONE
UNDERWATER HULL (KEEL TO TOP OF BOOTTOP) 10 TO 12 YEARS SERVICE LIFE	8	SAME AS LINE ONE	SAME AS LINE 2	SAME AS LINE 2		ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED, 6 MILS/COAT SEE NOTES (2)&(6)	2 COATS BRA 642 BLACK, 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE

GRP FIBERGLASS SURFACES TABLE 16 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO TOP OF BOOTTOP) 10 TO 12 YEARS SERVICE LIFE	9	SAME AS LINE ONE	SAME AS LINE 3	SAME AS LINE 3		ONE COAT ABC 3 RED, ONE COAT ABC 3 BLACK, ONE COAT ABC 3 RED, 5 MILS/COAT SEE NOTES (2)&(6)	3 COATS ABC 3 BLACK, 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	10	SAME AS LINE ONE	SAME AS LINE 4	SAME AS LINE 4		ONE COAT OLYMPIC 7660-5111AF RED, ONE COAT OLYMPIC 7660-1999AF BLACK, ONE COAT OLYMPIC 7660-5111AF RED, 5 MILS/COAT SEE NOTES (2)&(6)	3 COATS OLYMPIC 7660-1999AF BLACK, 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
UNDERWATER HULL METAL APPENDAGES (STRUTS, RUDDERS, AND OTHER CAVITATION PRONE AREAS) 2 YEARS OR LESS SERVICE LIFE	11	SAME AS LINE ONE	ONE COAT F-150 MIL-DTL-24441, 3-4 MILS SEE NOTE (1)	2 COATS INTERNATIONAL PGA 750/751, 25 MILS/COAT FOR 50 MILS TOTAL		ANTIFOULING PAINT SAME AS SURROUNDING HULL		

GRP FIBERGLASS SURFACES TABLE 16 (CONTINUED)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL METAL APPENDAGES (STRUTS, RUDDERS, AND OTHER CAVITATION PRONE AREAS) 5 TO 10 YEARS SERVICE LIFE	12	SAME AS LINE ONE	ONE COAT INTERNATIONAL FPL 274/FPA 327, 3-4 MILS SEE NOTE (4)	SAME AS LINE 11		ANTIFOULING PAINT SAME AS SURROUNDING HULL SEE NOTE (6)	SEE NOTE (6)	
	13	SAME AS LINE ONE	ONE COAT AMERON BAR-RUST 235, 3-4 MILS SEE NOTE (3)	SAME AS LINE 11		SAME AS LINE 12	SAME AS LINE 12	
	14	SAME AS LINE ONE	ONE COAT HEMPADUR 4515-5063AC RED, 3-4 MILS	SAME AS LINE 11		SA AS LIN MEE 12	SAME AS LINE 12	

GRP FIBERGLASS SURFACES TABLE 17	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E HORIZONTAL SURFACES DECKS AND FITTINGS	F MASTS AND STACKS EXPOSED TO GASES	G VERTICAL SURFACES
LOCATION: EXTERIOR SURFACES ABOVE BOOTTOP SEE NOTE (2)	1	HIGH PRESSURE WASH TO REMOVE MARINE GROWTH AND LOOSE PAINTS -- OR -- TOUCH-UP OR REMOVE PAINT SYSTEM TO SOUND PRIMER BY LIGHT ABRASIVE BLAST CLEAN WITH BLACK WALNUT SHELLS CONFORMING TO A-A-1722 TYPE 2 -- AND -- SPOT CLEAN, NSTM/CH-631 PARAGRAPH 631-5.2.6 SEE NOTE (21)	ONE COAT F-150 MIL-DTL-24441, 2-4 MILS SEE NOTE (1)	ONE COAT F-151 MIL-DTL-24441, 2-4 MILS SEE NOTE (1)		ONE COAT DECK GRAY NO. 26008 (FED-STD-595) MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) 3 MILS	ONE COAT HAZE GRAY NO. 26270 (FED-STD-595) MIL-PRF-244635 (LOW SOLAR ABSORPTION ONLY) 3 MILS -- OR -- MIL-E-24763 TYPE-II CLASS-2, 3 MILS	ONE COAT HAZE GRAY NO. 26270 (FED-STD-595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS -- OR -- MIL-E-24763, TYPE-II, CLASS-2 3 MILS, PAINT DESIGNATIONS AND MARKINGS MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) IN LIEU OF WHITE USE LT GRAY NO. 26373 (FED-STD-595); IN PLACE OF BLACK USE OCEAN GRAY NO. 26173 (FED-STD-595)
EXTERIOR WALK AREAS AND ALL EXTERIOR DECK AREAS	2	POWER TOOL CLEAN TO CLEAN FIBERGLASS (DISC SANDER, ETC.) -- OR -- POWER TOO CLEAN TO POLYURETHANE OVERLAY SUBSTRATE (DISC SANDER, ETC.) -- OR -- HYDROBLAST TO CLEAN FIBERGLASS SEE NOTE (25)	PROPRIETARY NON-SKID PRIMER LISTED ON THE QPL FOR MIL-PRF-24667 SEE NOTE (7)			ONE COAT MIL-PRF-24667 TYPE-I, II OR III COMP-G -- OR -- MIL-PRF-24667 TYPE-IV SEE NOTE (19)		

FIBROUS GLASS BOARDS (INTERIOR) TABLE 18	LINE	A SURFACE PREPARATION	B PRIMER	C BULKHEADS AND OVERHEADS	D	E	F	G
LOCATION: INTERIOR FIBROUS GLASS BOARDS	1	SOAP AND WATER CLEAN, AND HAND SAND AS NECESSARY	ONE COAT F-84 TT-P-645, ALKYD ZINC MOLYBDATE, 1.5 MILS	2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX -- OR -- 2 COATS NAVY FORMULA 25A, WATER-BASED FIRE RETARDANT COATING				
	2	SAME AS LINE ONE	ONE COAT F-150 MIL-DTL-24441 SEE NOTE (1)	2 FINISH COATS F-124, F-125 OR F-126 DOD-E-24607 (COLOR TO BE DESIGNATED)				